

Swami Vivekanand Mahavidyalaya, Udgir
Department of Computer Science
Annual/Semester Teaching Plan (2020-2021)
Winter-2020



Name Of Lecturer: Dr. Kodge B. G.

Paper Name & Paper No.: Advanced Java Programming CM 301

Class: M.Sc CM SY III-SEM

| Sr No | Date | Day | Topic to be Taught |
|---|-----------|-----------|---|
| Unit-I: Introduction to java | | | |
| 1 | 2-Nov-20 | Monday | History, Features, Java program structure, |
| 2 | 3-Nov-20 | Tuesday | Java tokens, |
| 3 | 4-Nov-20 | Wednesday | Java Statements |
| 4 | 5-Nov-20 | Thursday | Java virtual machine, |
| 5 | 6-Nov-20 | Friday | Command line arguments, |
| 6 | 18-Nov-20 | Wednesday | Constants, Variable, |
| 7 | 19-Nov-20 | Thursday | Data types, Decision making and |
| 8 | 20-Nov-20 | Friday | branching, looping, Class, |
| 9 | 23-Nov-20 | Monday | Methods, Objects, |
| 10 | 24-Nov-20 | Tuesday | Method overloading, Nesting of methods |
| Unit-II: Inheritance and System packages | | | |
| 11 | 25-Nov-20 | Wednesday | Overriding methods, Final variables, |
| 12 | 26-Nov-20 | Thursday | Final methods, Final Classes, |
| 13 | 27-Nov-20 | Friday | Abstract methods, Abstract Classes, |
| 14 | 1-Dec-20 | Tuesday | Visibility Control, Arrays, Strings, Vectors, Naming |
| 15 | 2-Dec-20 | Wednesday | conventions, Creating and accessing packages, |
| 16 | 3-Dec-20 | Thursday | Introduction to multithreaded programming, |
| 17 | 4-Dec-20 | Friday | Creating and extending threads, Life cycle of thread, |
| 18 | 7-Dec-20 | Monday | Thread exception, Thread priority, |
| 19 | 8-Dec-20 | Tuesday | Synchronization, Exception handling, |
| 20 | 9-Dec-20 | Wednesday | Multiple catch statements, finally statement, |
| 21 | 10-Dec-20 | Thursday | Throwing our own exceptions, Exception for debugging |
| Unit-III: Applets and Graphics | | | |
| 22 | 11-Dec-20 | Friday | Applet code, |
| 23 | 12-Dec-20 | Saturday | Applet life cycle, |
| 24 | 14-Dec-20 | Monday | creating an executable applet, |
| 25 | 15-Dec-20 | Tuesday | designing a web page, |
| 26 | 16-Dec-20 | Wednesday | Applet tag, |
| 27 | 17-Dec-20 | Thursday | passing parameter to applet. |
| 28 | 18-Dec-20 | Friday | Lines, Rectangles, circles |
| 29 | 21-Dec-20 | Monday | Ellipses, Arcs, Polygons, Line graphs |
| 30 | 22-Dec-20 | Tuesday | Bar charts, Control loops in applet |
| Unit-IV: Java Database Connectivity: | | | |

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Class: M.Sc CM SY III-SEM

| Sr No | Date | Day | Topic to be Taught |
|--|-----------|-----------|--|
| 31 | 23-Dec-20 | Wednesday | The design of JDBC, JDBC driver types, |
| 32 | 24-Dec-20 | Thursday | The design of JDBC, JDBC driver types, |
| 33 | 25-Dec-20 | Friday | Basic JDBC programming, concept. |
| 34 | 28-Dec-20 | Monday | Basic JDBC programming, concept. |
| Unit-V: Java Beans and Swing: | | | |
| 35 | 29-Dec-20 | Tuesday | Introduction to Java Bean, |
| 36 | 30-Dec-20 | Wednesday | Advantages of Java beans, |
| 37 | 31-Dec-20 | Thursday | Application Builder tools, |
| 38 | 1-Jan-21 | Friday | Using BDK, JAR Files, |
| 39 | 4-Jan-21 | Monday | JApplet, Icons and Labels, |
| 40 | 5-Jan-21 | Tuesday | Textfields, Buttons, Combo Boxes, |
| 41 | 6-Jan-21 | Wednesday | Scrollpanes, Trees, |
| 42 | 7-Jan-21 | Thursday | Tables, Menu, Bars and Menus, |
| 43 | 8-Jan-21 | Friday | Tool Bars, Dialog Boxes |
| 44 | 11-Jan-21 | Monday | File dialog, Progress Bar. |
| Unit-VI: Servlets and Java Server Pages | | | |
| 45 | 12-Jan-21 | Tuesday | The life cycle of a servlets, |
| 46 | 13-Jan-21 | Wednesday | Using Tomcat for server development |
| 47 | 14-Jan-21 | Thursday | A simple servlet, |
| 48 | 15-Jan-21 | Friday | Using cookies, |
| 49 | 18-Jan-21 | Monday | Session Tracking, |
| 50 | 19-Jan-21 | Tuesday | Introduction to java server pages, |
| 51 | 20-Jan-21 | Wednesday | A simple JSP, example, Scripting. |

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Name Of Lecturer: Mr. Gurde M. G.

Paper Name & Paper No.: Software Engineering CM 302

Class: M.Sc CM SY III-SEM

| Sr No | Date | Day | Topic to be Taught |
|--|-----------|-----------|---|
| Unit-I: Product and Process | | | |
| 1 | 2-Nov-20 | Monday | Evolving role of Software(SDLC), |
| 2 | 3-Nov-20 | Tuesday | Evolving role of Software(SDLC), |
| 3 | 4-Nov-20 | Wednesday | Software Characteristics, |
| 4 | 5-Nov-20 | Thursday | Software Characteristics, |
| 5 | 6-Nov-20 | Friday | Software Applications, Crisis on the Horizon, |
| 6 | 18-Nov-20 | Wednesday | Software Applications, Crisis on the Horizon, |
| 7 | 19-Nov-20 | Thursday | Software Myths, |
| 8 | 20-Nov-20 | Friday | Software Myths, |
| 9 | 23-Nov-20 | Monday | A layered Technology, |
| 10 | 24-Nov-20 | Tuesday | A layered Technology, |
| 11 | 25-Nov-20 | Wednesday | software process model, |
| 12 | 26-Nov-20 | Thursday | software process model, |
| 13 | 27-Nov-20 | Friday | Evolutionary software process models, |
| 14 | 1-Dec-20 | Tuesday | Evolutionary software process models, |
| 15 | 2-Dec-20 | Wednesday | Component based development, |
| 16 | 3-Dec-20 | Thursday | Component based development, |
| 17 | 4-Dec-20 | Friday | fourth generation techniques, |
| 18 | 7-Dec-20 | Monday | fourth generation techniques, |
| 19 | 8-Dec-20 | Tuesday | process and product. |
| 20 | 9-Dec-20 | Wednesday | process and product. |
| 21 | 10-Dec-20 | Thursday | process and product. |
| Unit-II: Managing Software Project: | | | |
| 22 | 11-Dec-20 | Friday | Introduction, |
| 23 | 12-Dec-20 | Saturday | Introduction, |
| 24 | 14-Dec-20 | Monday | Project Management Concepts, |
| 25 | 15-Dec-20 | Tuesday | Software Process and Project Metrics. |
| 26 | 16-Dec-20 | Wednesday | Software Process and Project Metrics. |
| 27 | 17-Dec-20 | Thursday | Software Process and Project Metrics. |

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Name Of Lecturer: Mr. Gurde M. G.

Paper Name & Paper No.: Software Engineering CM 302

Class: M.Sc CM SY III-SEM

| Sr No | Date | Day | Topic to be Taught |
|--|-----------|-----------|---|
| Unit-III: Conventional Methods for Software Engineering | | | |
| 28 | 18-Dec-20 | Friday | Introduction, Conventional Methods for Software Engineering |
| 29 | 21-Dec-20 | Monday | Introduction, |
| 30 | 22-Dec-20 | Tuesday | System Engineering, |
| 31 | 23-Dec-20 | Wednesday | Analysis Concepts and Principles, |
| 32 | 24-Dec-20 | Thursday | Analysis Concepts and Principles, |
| 33 | 25-Dec-20 | Friday | Analysis Concepts and Principles, |
| 34 | 28-Dec-20 | Monday | Analysis Concepts and Principles, |
| 35 | 29-Dec-20 | Tuesday | Analysis Modeling. |
| 36 | 30-Dec-20 | Wednesday | Analysis Modeling. |
| Unit-IV: Design Concepts and Principles | | | |
| 37 | 31-Dec-20 | Thursday | Architectural Design, |
| 38 | 1-Jan-21 | Friday | Architectural Design, |
| 39 | 4-Jan-21 | Monday | User Interface Design, |
| 40 | 5-Jan-21 | Tuesday | User Interface Design, |
| 41 | 6-Jan-21 | Wednesday | Component-level Design. |
| 42 | 7-Jan-21 | Thursday | Component-level Design. |
| Unit-V: Software Testing Techniques | | | |
| 43 | 8-Jan-21 | Friday | Software testing Strategies, |
| 44 | 11-Jan-21 | Monday | Software testing Strategies, |
| 45 | 12-Jan-21 | Tuesday | Testing tactics. |
| 46 | 13-Jan-21 | Wednesday | Testing tactics. |
| Unit-VI: Object- Oriented Software Engineering | | | |
| 47 | 14-Jan-21 | Thursday | Introduction, |
| 48 | 15-Jan-21 | Friday | Object-Oriented Concepts and principles, |
| 49 | 18-Jan-21 | Monday | Objected-Oriented Analysis, |
| 50 | 19-Jan-21 | Tuesday | Object-Oriented Design, |
| 51 | 20-Jan-21 | Wednesday | Object-Oriented Testing, Technical Metrics for OOPs. |

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Name Of Lecturer: Mr. Gharge D. M.

Paper Name & Paper No.: Information Security and Audit CM 303

Class: M.Sc CM SY III-SEM

| Sr No | Date | Day | Topic to be Taught |
|---|-----------|-----------|--|
| Unit-I: IPSec Protocol | | | |
| 1 | 2-Nov-20 | Monday | IPSec Protocol |
| 2 | 3-Nov-20 | Tuesday | IPSec Protocol |
| 3 | 4-Nov-20 | Wednesday | IP Authentication Header - IP ESP |
| 4 | 5-Nov-20 | Thursday | IP Authentication Header - IP ESP |
| 5 | 6-Nov-20 | Friday | Key Management Protocol for IPSec Transport layer, |
| 6 | 18-Nov-20 | Wednesday | Key Management Protocol for IPSec Transport layer, |
| 7 | 19-Nov-20 | Thursday | Security: SSL Protocol, |
| 8 | 20-Nov-20 | Friday | Security: SSL Protocol, |
| 9 | 23-Nov-20 | Monday | Cryptographic Computations |
| 10 | 24-Nov-20 | Tuesday | Cryptographic Computations |
| 11 | 25-Nov-20 | Wednesday | TLS Protocol.D12 |
| 12 | 26-Nov-20 | Thursday | TLS Protocol.D12 |
| Unit-II: PGP - S/MIME | | | |
| 13 | 27-Nov-20 | Friday | PGP - S/MIME |
| 14 | 1-Dec-20 | Tuesday | PGP - S/MIME |
| 15 | 2-Dec-20 | Wednesday | Internet Firewalls for Trusted System: |
| 16 | 3-Dec-20 | Thursday | Internet Firewalls for Trusted System: |
| 17 | 4-Dec-20 | Friday | Roles of Firewalls – Firewall related terminology |
| 18 | 7-Dec-20 | Monday | Roles of Firewalls – Firewall related terminology |
| 19 | 8-Dec-20 | Tuesday | Types of Firewalls - D32 |
| 20 | 9-Dec-20 | Wednesday | Types of Firewalls - D32 |
| 21 | 10-Dec-20 | Thursday | Firewall designs |
| 22 | 11-Dec-20 | Friday | Firewall designs |
| 23 | 12-Dec-20 | Saturday | SET for E-Commerce Transactions |
| 24 | 14-Dec-20 | Monday | SET for E-Commerce Transactions |
| Unit-III: Introduction to Traditional Computer Crime | | | |
| 25 | 15-Dec-20 | Tuesday | Introduction to Traditional Computer Crime, |
| 26 | 16-Dec-20 | Wednesday | Introduction to Traditional Computer Crime, |
| 27 | 17-Dec-20 | Thursday | Traditional problems associated with Computer Crime. |
| 28 | 18-Dec-20 | Friday | Traditional problems associated with Computer Crime. |

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Name Of Lecturer: Mr. Gharge D. M.

Paper Name & Paper No.: Information Security and Audit CM 303

Class: M.Sc CM SY III-SEM

| Sr No | Date | Day | Topic to be Taught |
|---|-----------|-----------|--|
| 29 | 21-Dec-20 | Monday | Introduction to Identity Theft and Identity Fraud. |
| 30 | 22-Dec-20 | Tuesday | Introduction to Identity Theft and Identity Fraud. |
| 31 | 23-Dec-20 | Wednesday | Types of CF techniques |
| 32 | 24-Dec-20 | Thursday | Types of CF techniques |
| 33 | 25-Dec-20 | Friday | Incident and incident response methodology |
| 34 | 28-Dec-20 | Monday | Incident and incident response methodology |
| 35 | 29-Dec-20 | Tuesday | Forensic duplication and investigation. |
| 36 | 30-Dec-20 | Wednesday | Forensic duplication and investigation. |
| Unit-IV: Preparation for IR: Creating response tool kit and IR team. | | | |
| 37 | 31-Dec-20 | Thursday | Preparation for IR: |
| 38 | 1-Jan-21 | Friday | Preparation for IR: |
| 39 | 4-Jan-21 | Monday | Creating response tool kit and IR team. |
| 40 | 5-Jan-21 | Tuesday | Forensics Technology and Systems |
| 41 | 6-Jan-21 | Wednesday | Understanding Computer Investigation – Data Acquisition. |
| 42 | 7-Jan-21 | Thursday | Understanding Computer Investigation – Data Acquisition. |
| Unit-V: Processing Crime and Incident Scenes | | | |
| 43 | 8-Jan-21 | Friday | Processing Crime and Incident Scenes |
| 44 | 11-Jan-21 | Monday | Working with Windows and DOS Systems. |
| 45 | 12-Jan-21 | Tuesday | Current Computer Forensics Tools: |
| 46 | 13-Jan-21 | Wednesday | Software/ Hardware Tools. |
| Unit-VI: Validating Forensics Data | | | |
| 47 | 14-Jan-21 | Thursday | Validating Forensics Data |
| 48 | 15-Jan-21 | Friday | Data Hiding Techniques |
| 49 | 18-Jan-21 | Monday | Performing Remote Acquisition |
| 50 | 19-Jan-21 | Tuesday | Network Forensics |
| 51 | 20-Jan-21 | Wednesday | Email Investigations – Cell Phone and Mobile Devices Forensics |

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Name Of Lecturer: Mr. Patil P. N.

Paper Name & Paper No.: System Administration and Server Integration CM 304A

Class: M.Sc CM SY III-SEM

| Sr No | Date | Day | Topic to be Taught |
|---|-----------|-----------|--|
| Unit-I: Definition of Operating System | | | |
| 1 | 2-Nov-20 | Monday | Definition of Operating System, |
| 2 | 3-Nov-20 | Tuesday | Types of Operating System, |
| 3 | 4-Nov-20 | Wednesday | features of Linux, |
| 4 | 5-Nov-20 | Thursday | Basic Architecture of Unix/Linux system, |
| 5 | 6-Nov-20 | Friday | features of Kernel and Shell. |
| Unit-II: Linux/Unix File system | | | |
| 6 | 18-Nov-20 | Wednesday | Linux/Unix File system |
| 7 | 19-Nov-20 | Thursday | Boot block, |
| 8 | 20-Nov-20 | Friday | super block, |
| 9 | 23-Nov-20 | Monday | Inode table, data blocks, |
| 10 | 24-Nov-20 | Tuesday | How Unix/Linux kernel access files, |
| 11 | 25-Nov-20 | Wednesday | Unix/Linux standard file system. |
| Unit-III: Structure of file system | | | |
| 12 | 26-Nov-20 | Thursday | Structure of file system, Essential Linux commands - |
| 13 | 27-Nov-20 | Friday | Structure of file system, Essential Linux commands - |
| 14 | 1-Dec-20 | Tuesday | Commands for files and directories creating and viewing files using cat, cd, ls, cp, md, |
| 15 | 2-Dec-20 | Wednesday | Commands for files and directories creating and viewing files using cat, cd, ls, cp, md, |
| 16 | 3-Dec-20 | Thursday | rm, mkdir, rmdir, pwd, file, more, less, file comparisons – cmpandcomm, |
| 17 | 4-Dec-20 | Friday | rm, mkdir, rmdir, pwd, file, more, less, file comparisons – cmpandcomm, |
| 18 | 7-Dec-20 | Monday | View files, disk related commands, |
| 19 | 8-Dec-20 | Tuesday | View files, disk related commands, |
| 20 | 9-Dec-20 | Wednesday | checking disk free spaces, |
| 21 | 10-Dec-20 | Thursday | checking disk free spaces, |
| 22 | 11-Dec-20 | Friday | chmod with its options, cal,date,who,tty, lp, stty. |
| 23 | 12-Dec-20 | Saturday | chmod with its options, cal,date,who,tty, lp, stty. |
| Unit-IV: Filters and pipes | | | |
| 24 | 14-Dec-20 | Monday | Filters and pipes: head, tail ,wc, pr, |
| 25 | 15-Dec-20 | Tuesday | Filters and pipes: head, tail ,wc, pr, |
| 26 | 16-Dec-20 | Wednesday | cut, paste, sort, uniqe, grep, egrep, fgrep ,tee, |

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Name Of Lecturer: Mr. Patil P. N.

Paper Name & Paper No.: System Administration and Server Integration CM 304A

Class: M.Sc CM SY III-SEM

| Sr No | Date | Day | Topic to be Taught |
|--|-----------|-----------|---|
| 27 | 17-Dec-20 | Thursday | The process: shell process, |
| 28 | 18-Dec-20 | Friday | parent and children, process status, |
| 29 | 21-Dec-20 | Monday | system process, multiple jobs in background and foreground, |
| 30 | 22-Dec-20 | Tuesday | changing process priority with nice, |
| 31 | 23-Dec-20 | Wednesday | premature termination of process, |
| 32 | 24-Dec-20 | Thursday | Mathematical commands- bc, expr, factor, units. |
| 33 | 25-Dec-20 | Friday | Mathematical commands- bc, expr, factor, units. |
| Unit-V:Creating and editing files with VI editor with their command options | | | |
| 34 | 28-Dec-20 | Monday | Creating and editing files with VI editor with their command options. |
| 35 | 29-Dec-20 | Tuesday | Operators, text deletion, |
| 36 | 30-Dec-20 | Wednesday | text movement, changing text, |
| 37 | 31-Dec-20 | Thursday | yanking text, filtering text, |
| 38 | 1-Jan-21 | Friday | the ex mode, |
| 39 | 4-Jan-21 | Monday | moving text from one file to another. |
| 40 | 5-Jan-21 | Tuesday | moving text from one file to another. |
| 41 | 6-Jan-21 | Wednesday | Communication: The bulletin board –news, write, msg, |
| 42 | 7-Jan-21 | Thursday | talk, mail, elm |
| 43 | 8-Jan-21 | Friday | pine, finger, |
| 44 | 11-Jan-21 | Monday | vacation and connecting to remote machine. |
| Unit-VI:System administration Common administrative tasks | | | |
| 45 | 12-Jan-21 | Tuesday | System administration Common administrative tasks, |
| 46 | 13-Jan-21 | Wednesday | identifying administrative files configuration and log files, Role of system administrator, |
| 47 | 14-Jan-21 | Thursday | Managing user accounts-adding and deleting users, changing permissions and ownerships, |
| 48 | 15-Jan-21 | Friday | Installation of Unix/Linux system– Unix/Linux Installation requirement,x. |
| 49 | 18-Jan-21 | Monday | complete Procedure steps, Partitioning the Hard drive, |
| 50 | 19-Jan-21 | Tuesday | System startup and shut-down process, init and run levels. |
| 51 | 20-Jan-21 | Wednesday | File system mounting, lpstat, backup strategy, installing software on Unix/Linu |

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Summer-2021



Name Of Lecturer: Dr. Kodge B. G.

Paper Name & Paper No.: ASP.NET using VB.NET

Class: M.Sc CM SY IV-SEM

| Sr No | Date | Day | Topic to be Taught |
|--|-----------|-----------|---|
| Unit 1 Web Components | | | |
| 1 | 1-Apr-21 | Thursday | Introduction to Internet |
| 2 | 5-Apr-21 | Monday | Web Client/Server Model |
| 3 | 6-Apr-21 | Tuesday | Protocols for Web Client/Server Communication |
| 4 | 7-Apr-21 | Wednesday | Understanding Web Server IIS. |
| Unit 2 Introduction to ASP.NET | | | |
| 5 | 8-Apr-21 | Thursday | CLR, Framework Class Library |
| 6 | 9-Apr-21 | Friday | Garbage Collection, MSIL |
| 7 | 12-Apr-21 | Monday | COM+ Component Services |
| 8 | 15-Apr-21 | Thursday | ASP.NET and HTML Controls |
| 9 | 16-Apr-21 | Friday | ASP.NET Events |
| 10 | 19-Apr-21 | Monday | and Events Handler. |
| 11 | 20-Apr-21 | Tuesday | and Events Handler. |
| 12 | 22-Apr-21 | Thursday | and Events Handler. |
| Unit 3 Web Programming with VB. | | | |
| 13 | 23-Apr-21 | Friday | Data Types, Variables, |
| 14 | 26-Apr-21 | Monday | Expressions, Flow Control |
| 15 | 27-Apr-21 | Tuesday | Operators, Conditional Statements, |
| 16 | 28-Apr-21 | Wednesday | Looping |
| 17 | 29-Apr-21 | Thursday | Structures, Arrays, OOP Concepts |
| 18 | 30-Apr-21 | Friday | Objects, Properties |
| 19 | 3-May-21 | Monday | Methods, Classes, |
| 20 | 4-May-21 | Tuesday | Scope, Events |
| 21 | 5-May-21 | Wednesday | Data Types, Variables, |
| 22 | 6-May-21 | Thursday | Expressions, Flow Control |
| 23 | 7-May-21 | Friday | Operators, Conditional Statements, |
| 24 | 10-May-21 | Monday | Looping |
| 25 | 11-May-21 | Tuesday | Structures, Arrays, OOP Concepts |
| 26 | 12-May-21 | Wednesday | Objects, Properties |
| 27 | 13-May-21 | Thursday | Methods, Classes, |
| 28 | 17-May-21 | Monday | Scope, Events |

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Name Of Lecturer: Dr. Kodge B. G.

Paper Name & Paper No.: ASP.NET using VB.NET

Class: M.Sc CM SY IV-SEM



| Sr No | Date | Day | Topic to be Taught |
|---------------------------------|-----------|-----------|--|
| Unit 4 Essentials ASP.NET | | | |
| 29 | 18-May-21 | Tuesday | Working with Web forms |
| 30 | 19-May-21 | Wednesday | Directory Structure in ASP.NET, |
| 31 | 20-May-21 | Thursday | ASP.NET Compilation Model |
| 32 | 21-May-21 | Friday | Code |
| 33 | 24-May-21 | Monday | behind Model, Working with Web form Controls |
| 34 | 25-May-21 | Tuesday | Navigation Controls |
| 35 | 27-May-21 | Thursday | Validation Controls |
| 36 | 28-May-21 | Friday | Validation Groups, Client/Server Side Validation |
| 37 | 31-May-21 | Monday | Navigation Controls |
| 38 | 1-Jun-21 | Tuesday | Validation Controls |
| 39 | 2-Jun-21 | Wednesday | Validation Groups, Client/Server Side Validation |
| 40 | 3-Jun-21 | Thursday | Validation Groups, Client/Server Side Validation |
| Unit 5 ASP.NET Master Page | | | |
| 41 | 4-Jun-21 | Friday | ASP.NET Master Page Overview |
| 42 | 7-Jun-21 | Monday | Master Page Layout with CSS |
| 43 | 8-Jun-21 | Tuesday | Master Page Directive and Content |
| 44 | 9-Jun-21 | Wednesday | Place Holder, Creating and Applying Themes |
| 45 | 10-Jun-21 | Thursday | Cookies, ASP.NET Session State |
| 46 | 11-Jun-21 | Friday | Application State |
| 47 | 14-Jun-21 | Monday | Application State |
| 48 | 15-Jun-21 | Tuesday | Application State |
| Unit 6 Data Access with ADO.NET | | | |
| 49 | 16-Jun-21 | Wednesday | Working with ADO.NET |
| 50 | 17-Jun-21 | Thursday | Overview of ADO.NET Objects |
| 51 | 18-Jun-21 | Friday | Working with Connection Object |
| 52 | 21-Jun-21 | Monday | Command Object, Data Adapter Object |
| 53 | 22-Jun-21 | Tuesday | Data Set Object |

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Name Of Lecturer: Mr. Gurde M. G.

Paper Name & Paper No.: Software Project Management

Class: M.Sc CM SY IV-SEM

| Sr No | Date | Day | Topic to be Taught |
|---|-----------|-----------|---|
| Unit-1 Fundamentals of Project Management | | | |
| 1 | 1-Apr-21 | Thursday | Definition, Characteristics of Project |
| 2 | 5-Apr-21 | Monday | Types of Project, Project Phases |
| 3 | 6-Apr-21 | Tuesday | Project management |
| 4 | 7-Apr-21 | Wednesday | Project life cycle, Project Life Cycle Models |
| Unit-2 Project formulation | | | |
| 5 | 8-Apr-21 | Thursday | Significance of project formulation |
| 6 | 9-Apr-21 | Friday | Step-Wise Approach to Project formulation |
| 7 | 12-Apr-21 | Monday | Feasibility analysis |
| 8 | 15-Apr-21 | Thursday | Cost Benefit Analysis, |
| 9 | 16-Apr-21 | Friday | Cash flow forecasting |
| 10 | 19-Apr-21 | Monday | Return on Investment |
| 11 | 20-Apr-21 | Tuesday | Cash flow forecasting |
| 12 | 22-Apr-21 | Thursday | Return on Investment |
| Unit-3 Software project Approach Selection | | | |
| 13 | 23-Apr-21 | Friday | Project Vs Activity |
| 14 | 26-Apr-21 | Monday | Activity Planning, Planning Approaches |
| 15 | 27-Apr-21 | Tuesday | Process models |
| 16 | 28-Apr-21 | Wednesday | Waterfall model |
| 17 | 29-Apr-21 | Thursday | Model, Spiral model |
| 18 | 30-Apr-21 | Friday | Software prototyping |
| 19 | 3-May-21 | Monday | appropriate model selection |
| 20 | 4-May-21 | Tuesday | Project Vs Activity |
| 21 | 5-May-21 | Wednesday | Activity Planning, Planning Approaches |
| 22 | 6-May-21 | Thursday | Process models |
| 23 | 7-May-21 | Friday | Waterfall model |
| 24 | 10-May-21 | Monday | Model, Spiral model |
| 25 | 11-May-21 | Tuesday | Software prototyping |
| 26 | 12-May-21 | Wednesday | appropriate model selection |
| 27 | 13-May-21 | Thursday | Software prototyping |
| 28 | 17-May-21 | Monday | appropriate model selection |

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Name Of Lecturer: Mr. Gurde M. G.

Paper Name & Paper No.: Software Project Management

Class: M.Sc CM SY IV-SEM

| Sr No | Date | Day | Topic to be Taught |
|--|-----------|-----------|---|
| Unit-4 Software Effort Estimation | | | |
| 29 | 18-May-21 | Tuesday | Software estimation techniques |
| 30 | 19-May-21 | Wednesday | Estimation Approaches |
| 31 | 20-May-21 | Thursday | Definition of Project scheduling |
| 32 | 21-May-21 | Friday | controls and importance |
| 33 | 24-May-21 | Monday | Network techniques of Project Management |
| 34 | 25-May-21 | Tuesday | Gantt chart, CPM, PERT, |
| 35 | 27-May-21 | Thursday | COCOMO |
| 36 | 28-May-21 | Friday | Definition of Project scheduling |
| 37 | 31-May-21 | Monday | controls and importance |
| 38 | 1-Jun-21 | Tuesday | Network techniques of Project Management |
| 39 | 2-Jun-21 | Wednesday | Gantt chart, CPM, PERT, |
| 40 | 3-Jun-21 | Thursday | COCOMO |
| Unit-5 Risk and Uncertainty Decisions | | | |
| 41 | 4-Jun-21 | Friday | Project Risk |
| 42 | 7-Jun-21 | Monday | Types of Project Risk |
| 43 | 8-Jun-21 | Tuesday | Identification of Risk |
| 44 | 9-Jun-21 | Wednesday | Risk Prioritization |
| 45 | 10-Jun-21 | Thursday | Project risk Analysis, |
| 46 | 11-Jun-21 | Friday | Qualitative analysis and Quantitative analysis |
| 47 | 14-Jun-21 | Monday | Sensitivity Analysis |
| 48 | 15-Jun-21 | Tuesday | Break Even analysis |
| Unit-6 Resource Allocation | | | |
| 49 | 16-Jun-21 | Wednesday | Resources, Burman's Priority list |
| 50 | 17-Jun-21 | Thursday | Cost Schedules, Software quality assurance |
| 51 | 18-Jun-21 | Friday | relation between |
| 52 | 21-Jun-21 | Monday | software quality and software productivity |
| 53 | 22-Jun-21 | Tuesday | Role of project manager in software development |

Remark:

Concer Lecture

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Swami Vivekanand Mahavidyalaya, Udgir
Department of Computer Science
 Annual/Semester Teaching Plan (2020-2021)



Summer-2021

Name Of Lecturer: Mr. Patil P. N.

Paper Name & Paper No.: Software Testing

Class: M.Sc CM FY IV-SEM

| Sr No | Date | Day | Topic to be Taught |
|---|-----------|-----------|--|
| Unit I: Introduction | | | |
| 1 | 1-Apr-21 | Thursday | Introduction |
| 2 | 5-Apr-21 | Monday | Nature of errors |
| 3 | 6-Apr-21 | Tuesday | an example for Testing |
| 4 | 7-Apr-21 | Wednesday | Definition of Quality |
| 5 | 8-Apr-21 | Thursday | QA, QC, QM and SQA |
| 6 | 9-Apr-21 | Friday | Software Development Life Cycle |
| 7 | 12-Apr-21 | Monday | Software Quality Factors Verification |
| 8 | 15-Apr-21 | Thursday | and Validation Definition |
| 9 | 16-Apr-21 | Friday | of V andV |
| 10 | 19-Apr-21 | Monday | Different types of V and V Mechanisms |
| 11 | 20-Apr-21 | Tuesday | Concepts of Software Reviews |
| 12 | 22-Apr-21 | Thursday | Inspection/Walkthrough. |
| Unit 2 Software Testing Methods and strategies | | | |
| 13 | 23-Apr-21 | Friday | Testing Fundamentals |
| 14 | 26-Apr-21 | Monday | Test Case Design |
| 15 | 27-Apr-21 | Tuesday | White Box Testing and its types |
| 16 | 28-Apr-21 | Wednesday | Black Box Testing and its |
| 17 | 29-Apr-21 | Thursday | Strategic Approach to Software Testing |
| 18 | 30-Apr-21 | Friday | Unit Testing, Integration Testing |
| 19 | 3-May-21 | Monday | Validation Testing |
| 20 | 4-May-21 | Tuesday | system Testing |
| 21 | 5-May-21 | Wednesday | Testing Fundamentals |
| 22 | 6-May-21 | Thursday | Test Case Design |
| 23 | 7-May-21 | Friday | White Box Testing and its types |
| 24 | 10-May-21 | Monday | Black Box Testing and its |
| 25 | 11-May-21 | Tuesday | Strategic Approach to Software Testing |
| 26 | 12-May-21 | Wednesday | Unit Testing, Integration Testing |
| 27 | 13-May-21 | Thursday | Validation Testing |
| 28 | 17-May-21 | Monday | system Testing |
| Unit 3 Software Metrics and Defect Management | | | |
| 29 | 18-May-21 | Tuesday | Concept and Developing Metrics |
| 30 | 19-May-21 | Wednesday | Different types of Metrics |
| 31 | 20-May-21 | Thursday | complexity metrics |
| 32 | 21-May-21 | Friday | Definition of Quality |
| 33 | 24-May-21 | Monday | Defect Management Process |
| 34 | 25-May-21 | Tuesday | Defect Reporting |

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| Sr No | Date | Day | Topic to be Taught |
|--|-----------|-----------|---|
| 35 | 27-May-21 | Thursday | Metrics Related to Defects |
| 36 | 28-May-21 | Friday | Using Defects |
| 37 | 31-May-21 | Monday | for Process Improvement |
| 38 | 1-Jun-21 | Tuesday | Metrics Related to Defects |
| 39 | 2-Jun-21 | Wednesday | Using Defects |
| 40 | 3-Jun-21 | Thursday | for Process Improvement |
| Unit 4 Quality Improvement | | | |
| 41 | 4-Jun-21 | Friday | Introduction, Pareto Diagrams |
| 42 | 7-Jun-21 | Monday | Cause-effect Diagrams |
| 43 | 8-Jun-21 | Tuesday | Scatter Diagrams |
| 44 | 9-Jun-21 | Wednesday | Run charts |
| 45 | 10-Jun-21 | Thursday | Run charts |
| Unit 5 Software Quality Assurance and Quality Costs | | | |
| 46 | 11-Jun-21 | Friday | Concepts, Quality Movement |
| 47 | 14-Jun-21 | Monday | Background issues and SQA activities |
| 48 | 15-Jun-21 | Tuesday | Software Reviews, Formal |
| 49 | 16-Jun-21 | Wednesday | Technical Reviews |
| 50 | 17-Jun-21 | Thursday | Formal approaches to SQA Statistical |
| 51 | 18-Jun-21 | Friday | Quality Assurance |
| 52 | 21-Jun-21 | Monday | Software Reliability |
| 53 | 22-Jun-21 | Tuesday | Utilizing Quality Costs for Decision-Making |

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