



Project Information System

MY ACCOUNT (LOGIN.HTML)
LOG OFF (/ACCOUNT
/LOGOFF)

Home (/) Reference Daily Activity Assessment Invoice Reporting

DAG [Delivery and Assessment Guide]

Select A Round:

37

Batch

J2EE/CCSL-M/37/01

Module

Module06

DAG

SI	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
2	Module 06	STCESA DJ2EE 601	2. The Anatomy of a JavaServer Page Demonstrate the basics of Reusability, Readability, and Maintainability • JavaServer Pages Application Architecture (Model 1 and Model 2) • Introducing the JSP Fundamentals	24/11/2018	02/12/2018	<input type="checkbox"/>
3	Module 06	STCESA DJ2EE 601	3. Demonstrate knowledge of Servlets API Demonstrate Servlets as What Is a Servlets? Why Servlets? • JavaServer Pages Are Servlets, The javax.servlet Interfaces • The javax.servlet Classes and The Life Cycle of a Servlet	25/11/2018	03/12/2018	
4	Module 06	STCESA DJ2EE 601	4. Demonstrate knowledge of Servlets API Apply skills Testing a Simple Servlets • Demonstrate and encourage each individual to create same type but different Servlets	26/11/2018	04/12/2018	
5	Module 06	STCESA DJ2EE 601	5. Demonstrate more about of Servlets and it's Deployment Demonstrate more about of Servlets and it's Deployment	27/11/2018	05/12/2018	

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6	Module 06	STCESA DJ2EE 602	<p>6. The JavaServer Pages Expression Language</p> <p>Apply skills using Expression Language and its use in JavaServer Pages • Arithmetic Evaluation Using the Expression Language • Comparisons in the Expression Language Operators used in the Expression Language • Demonstrate JavaBeans and the Expression Language • Expression-Language Implicit Objects</p>	02/12/2018	07/12/2018	
7	Module 06	STCESA DJ2EE 602	<p>7. Demonstrate JavaServer Pages Standard Tag Library</p> <p>Installing the JavaServer Pages Standard Tag Library • Understanding the JavaServer Pages Standard Tag Libraries</p>	03/12/2018	08/12/2018	
8	Module 06	STCESA DJ2EE 602	<p>8. Demonstrate JavaServer Pages Standard Tag Library</p> <p>Using the JavaServer Pages Standard Tag Libraries</p>	04/12/2018	09/12/2018	
9	Module 06	STCESA DJ2EE 602	<p>9. Demonstrate JavaServer Pages Standard Tag Library</p> <p>Demonstrate and encourage each individual to create and use Tag Library in their own application</p>	05/12/2018	10/12/2018	
10	Module 06	STCESA DJ2EE 603	<p>10.Demonstrate the Basics of JavaServer Faces</p> <p>Giving and Introduction to JSF using various aspect • Installing JSF</p>	06/12/2018	11/12/2018	
11	Module 06	STCESA DJ2EE 603	<p>11. Demonstrate the Basics of JavaServer Faces</p> <p>Using JSF with JSP Pages, JSF Life Cycle and related examples</p>	08/12/2018	12/12/2018	
12	Module 06	STCESA DJ2EE 603	<p>12. Demonstrate the Basics of JavaServer Faces</p> <p>Managed Beans and Controlling Page Navigation • Demonstrate and encourage each individual to create their own customized JSF application</p>	09/12/2018	13/12/2018	
13	Module 06	STCESA DJ2EE 603	<p>13. Demonstrate a little More in JavaServer Faces</p> <p>Accessing Context Data in Beans • Data conversions and Input validations Event Handling and Message Bundles</p>	10/12/2018	15/12/2018	

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14	Module 06	STCESA DJ2EE 603	14. Tag Files and Simple Tags Demonstrate Custom Tags in JSP • Using Tag Files, and Simple Tags Customizing Functionality with Attributes • Evaluating Body Content	11/12/2018	17/12/2018	
15	Module 06	STCESA DJ2EE 603	15. Classic Tags Classic Tags Overview Customizing Functionality by using Attributes Dynamic Attributes	12/12/2018	18/12/2018	
16	Module 06	STCESA DJ2EE 603	16. Classic Tags Iteration Tags Body Tags Iteration Tags Body Tags	13/12/2018	19/12/2018	
17	Module 06	STCESA DJ2EE 604	17. Data Access Options for Web Applications Data Access Technologies	15/12/2018	20/12/2018	
18	Module 06	STCESA DJ2EE 604	18. Data Access Options for Web Applications Data Access Architectures	17/12/2018	22/12/2018	
19	Module 06	STCESA DJ2EE 604	Data Access Options for Web Applications Implementing the RSS Newsreader	18/12/2018	23/12/2018	
20	Module 06	STCESA DJ2EE 604	20. Introduction to Filtering Common Filter Applications • The Big Picture of Filtering • Filters in Depth	19/12/2018	24/12/2018	
21	Module 06	STCESA DJ2EE 604	21. Introduction to Filtering Hands-On Filter Development • Other Filter-Like Technologies • Filter Design Best Practices	20/12/2018	26/12/2018	
22	Module 06	STCESA DJ2EE 605	22. Security in Web Applications Overview of Application Security • Apply skills using Authentication	22/12/2018	27/12/2018	
23	Module 06	STCESA DJ2EE 605	23. Security in Web Applications Apply skills using Authentication • Authorization	23/12/2018	03/01/2019	

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24	Module 06	STCESA DJ2EE 605	<p>24.Getting Started with PrimeFaces Theming Concep</p> <p>Introduction 7 Setting up and configuring the PrimeFaces library 8 AJAX basics with Process and Update 11 Internationalization (i18n) and Localization (L10n) 14 Improved resource ordering 18 PrimeFaces scaffolding with Spring Roo Introduction 25 Understanding the structural and skinning CSS 26 Installing themes 30 Customizing theme styles 32 Customizing default styles on input components 36 Adjusting the font and size throughout the web application 40 Why does the theme look different in Internet Explorer? 41 Simple ways to create a new theme 44 Default stateless theme switcher 47 Alternative stateful theme switchers 48</p>	24/12/2018	04/01/2019	
25	Module 06	STCESA DJ2EE 606	<p>25 Enhanced Inputs and Selects</p> <p>Introduction 53 Formatted input with inputMask 54 Auto suggestion with autoComplete 56 Usable features of inputTextArea 59 Discovering selectBooleanCheckbox and selectManyCheckbox 60 Basic and advanced calendar scenarios 62 Spinner – different ways to provide input 67 Slider – different ways to provide input 69 Rich text editing with editor 71 Advanced editing with in-place editor 74 Enhanced password input 76 Star-based rating input 78</p>	26/12/2018	06/01/2019	
26	Module 06	STCESA DJ2EE 606	<p>26 Grouping Content with Panels</p> <p>ntroduction 81 Grouping content with a standard panel 81 Panel grid with colspan and rowspan support 84 Vertical stacked panels with accordion 87 Displaying overflowed content with scrollPanel 89 Working with a tabbed panel 90 Grouping of buttons and more with toolbar 94 Simulating the portal environment with dashboard 95 Creating complex layouts 97</p>	27/12/2018	07/01/2019	

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27	Module 06	STCESA DJ2EE 607	27.Data Iteration Components Introduction 106 Selecting rows in dataTable 106 Sorting and filtering data in dataTable 108 In-cell editing with dataTable 112 Conditional coloring in dataTable 114 Handling tons of data – LazyDataModel 116 Listing data with dataList 117 Listing data with pickList 121 Listing data with orderList 124 Visualizing data with tree 126 Visualizing the data with treeTable 130 Exporting data in various formats 135 Visualizing data with carousel 137 Visualizing data with ring 140	29/12/2018	08/01/2019	
28	Module 06	STCESA DJ2EE 607	28.Endless Menu Variations Introduction 143 Static and dynamic positioned menus 144 Creating a programmatic menu 147 Context menu with nested items 150 Context menu integration 152 SlideMenu – menu in iPod style 156 TieredMenu – submenus in nested overlays 158 MegaMenu – multicolumn menu 161 PanelMenu – hybrid of accordion and tree 164 Accessing commands via Menubar 167 Displaying checkboxes in SelectCheckboxMenu 171 Dock menu for Mac OS fans 174	30/12/2018	09/01/2019	
29	Module 06	STCESA DJ2EE 607	29.Working with Files and Images Introduction 177 Basic, automatic, and multiple file upload 177 Uploading a file with drag-and-drop 182 Downloading files 183 Cropping images 185 Displaying a collection of images 188 Capturing images with photoCam 192 Comparing images	31/12/2018	10/01/2019	
30	Module 06	STCESA DJ2EE 607	30.Drag Me, Drop Me Introduction 197 Making a component draggable 198 Restricting dragging by axis, grid, and containment 200 Snapping to the edges of nearest elements 202 Defining droppable targets 205 Restricting dropping by tolerance and acceptance 207 AJAX-enhanced drag-and-drop 210 Integrating drag-and-drop with data iteration componentsIntroduction 264 The power of the PrimeFaces selectors 264 Programmatic updating and scrolling with RequestContext 268 Two ways to trigger JavaScript execution 271 Adding AJAX callback parameters – validation within a dialog 275 Navigating to another page in AJAX calls 277 Polling – sending periodical AJAX requests 279 Blocking page pieces during long-running AJAX calls 281	03/01/2019		

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31	Module 06	STCESA DJ2EE 608	"1.Getting Ready AngularJS & Your First AngularJS App " Getting Ready AngularJS & Your First AngularJS App	05/01/2019		
32	Module 06	STCESA DJ2EE 608	"2.Your First AngularJS App & Putting AngularJS in Context " Your First AngularJS App & Putting AngularJS in Context	06/01/2019		
33	Module 06	STCESA DJ2EE 608	3.SportsStore: A Real Application[Project] portsStore: A Real Application[Project]	07/01/2019		
34	Module 06	STCESA DJ2EE 608	4.SportsStore: Navigation and Checkout[Project]" SportsStore: Navigation and Checkout[Project]	08/01/2019		
35	Module 06	STCESA DJ2EE 608	5.The Anatomy of an AngularJS App " The Anatomy of an AngularJS App	09/01/2019		
36	Module 06	STCESA DJ2EE 608	"6.The Anatomy of an AngularJS App The Anatomy of an AngularJS App	10/01/2019		
37	Module 06	STCESA DJ2EE 609	7.Using Binding and Template Directives Using Binding and Template Directives	12/01/2019		
38	Module 06	STCESA DJ2EE 609	8.Using Binding and Template Directives Using Binding and Template Directives	13/01/2019		
39	Module 06	STCESA DJ2EE 609	9.Using Element and Event Directives Using Element and Event Directives	14/01/2019		
40	Module 06	STCESA DJ2EE 609	10.Using Element and Event Directives Using Element and Event Directives	15/01/2019		
41	Module 06	STCESA DJ2EE 609	11.Working with Forms Working with Forms	16/01/2019		
42	Module 06	STCESA DJ2EE 609	12.Working with Forms Working with Forms	17/01/2019		

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43	Module 06	STCESA DJ2EE 609	13.Using Controllers and Scopes & Using Filters Using Controllers and Scopes & Using Filters	19/01/2019		
1	Module 01	STCESA DJ2EE 101	1.Demonstrate overall understanding of the programming process Defining the problem • Developing and refining algorithm with the aid of flowcharts • Coding , debugging, testing and documenting	03/05/2018	03/05/2018	
2	Module 01	STCESA DJ2EE 101	2. Demonstrate understanding of the main features of structured programming Modular programming and its implementation approaches • Top-down programming and Structure Charts, Flowcharts Vs. Structure Charts and Coding of Modules • Programming structures (Sequences, Loop and Selection structure) • Significance of GoToLess programming	05/05/2018	05/05/2018	
3	Module 01	STCESA Dj2EE 101	3. Apply skills in structured pseudocode and control processing Pseudocode and various looping structures • Value comparison and sorting • Combining conditions and use of Boolean Algebra, Truth Tables and Order of comparison • Commonly used Input editing • Error routines, End-of-file checking techniques	06/05/2018	06/05/2018	
4	Module 01	STCESA DJ2EE 102	4. Apply skills in structured pseudocode and control processing Pseudocode and various looping structures • Value comparison and sorting • Combining conditions and use of Boolean Algebra, Truth Tables and Order of comparison • Commonly used Input editing • Error routines, End-of-file checking techniques	07/05/2018	07/05/2018	
5	Module 01	STCESA DJ2EE 102	5. Understanding complex combination of condition Short descriptions of complex combinations of condition	08/05/2018	08/05/2018	
6	Module 01	STCESA DJ2EE 102	6. Demonstrate the concept of tables (arrays) Use of discrete and segmented tables of fixed and variable size. • Ordering argument table and searching • Declaring tables and using table files, multidimensional tables • Sequential binary searches	09/05/2018	09/05/2018	

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7	Module 01	STCESA DJ2EE 103	7.HTML Basics ,Primary Structure and Sections HTML5 Overview ,Recommendation,A few best practices,HTML Document Structure,Differences Between HTML 4 and HTML5, DOCTYPEs,Inline vs. Block-level Elements,HTML Comments,Attributes ,I18n (Internationalization),Global (HTML5), Data Attributes,Basic Data Types,Character Entities address,body,HTML5 and the body Element,div,h1, h2, h3, h4, h5, h6,hr	10/05/2018	10/05/2018	
8	Module 01	STCESA DJ2EE103	8. Document Head ,List base,head,link,meta,style,HTML5 and the style Element ,title, Nested Lists,dd,dl,When Can You Use a Definition List? ,HTML5, the dl Element, and Dialogue dt,li,HTML5 and the li Element,ol,UL,	12/05/2018	12/05/2018	
9	Module 01	STCESA DJ2EE103	9.Text Anchor(a),simple link to another resource,link to subpage,link up a level or two,link with absolute path,link to e-mail address, abbr, acronym,b,bdo,big,blockquote,br,cite,code,del,dfn,em ,i,ins,kbd,p,pre,q,samp,small,strong,sub,sup,tt,var	13/05/2018	13/05/2018	
10	Module 01	STCESA DJ2EE 103	10.Embedded Content (Images and Objects) area,img,attributes of img,map,object,Object vs. Embed,param,	14/05/2018	14/05/2018	
11	Module 01	STCESA DJ2EE104	11. Forms button,Attributes in Detail,fieldset,form details, checkbox,,form element,input element,label,legend,optgroup,option,select,textarea,	16/05/2018	15/05/2018	
12	Module 01	STCESA DJ2EE 104	12. Tabular Data. Frames caption,col,colgroup,table,tbody,td,tfoot,th,thead,tr, Frame,Frameset,iframe,noframes,	17/05/2018	16/05/2018	
13	Module 01	STCESA DJ2EE 104	"13.Primary Structure and Sections. Text,Embedded Content (Images, Media, and More),forms,Interactive Elements", article,aside,footer,header,hgroup,nav,section,figcaption,figure,mark,meter,progress,rp,rt,ruby,time,wbr, audio,canvas,embed,source,video,datalist,keygen,output,command,details,menu	19/05/2018	17/05/2018	

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14	Module 01	STCESA DJ2EE10 4	<p>14.Demonstrate CSS Basics,Create Style-Sheets, Colour the document using CSS,Manipulate fonts using CSS,Format text using CSS</p> <p>Introduction • A brief demonstration on CSS theory • Adding Style Inline • Using embedded style • Creating linked style sheet • Importing style sheets • Commenting and formatting CSS • Demonstrate colour and CSS • Adding colour to backgrounds • Spice up a TABLE using background col Applying FONT FAMILIES to text • Sizing fonts • Font WEIGHT and STYLE • Colour a text • Align text • Apply skills on text decoration</p>	20/05/2018	19/05/2018	
15	Module 01	STCESA DJ2EE10 5	<p>15. Bootstrap Overview,Bootstrap Environment Setup ,Bootstrap Grid System ,Bootstrap CSS Overview</p> <p>Bootstrap Overview,Bootstrap Environment Setup ,Bootstrap Grid System ,Bootstrap CSS Overview</p>	21/05/2018	20/05/2018	
16	Module 01	STCESA DJ2EE10 5	<p>"16.Bootstrap Typography ,Bootstrap Code ..Bootstrap Tables .Bootstrap Forms ,Bootstrap Buttons ,Bootstrap Images Bootstrap Helper Classes "</p> <p>Bootstrap Typography ,Bootstrap Code ..Bootstrap Tables .Bootstrap Forms ,Bootstrap Buttons ,Bootstrap Images Bootstrap Helper Classes</p>	22/05/2018	21/05/2018	
17	Module 01	STCESA DJ2EE10 5	<p>17.Bootstarp Responsive Utilities ,Bootstrap Glyphicons ,Bootstrap Dropdowns .Bootstrap Button Groups,Bootstrap Button Dropdowns .Bootstrap Input Group</p> <p>Bootstarp Responsive Utilities ,Bootstrap Glyphicons ,Bootstrap Dropdowns .Bootstrap Button Groups,Bootstrap Button Dropdowns .Bootstrap Input Groups ..</p>	23/05/2018	22/05/2018	
18	Module 01	STCESA DJ2EE10 6	<p>18.Bootstrap Navigation Elements ,Bootstrap Navbar .Bootstrap Breadcrumb . Bootstrap Pagination Bootstrap Label,Bootstrap Jumptonron "</p> <p>Bootstrap Navigation Elements ,Bootstrap Navbar .Bootstrap Breadcrumb . Bootstrap Pagination Bootstrap Label,Bootstrap Jumptonron</p>	24/05/2018	23/05/2018	

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19	Module 01	STCESA DJ2EE106	19.Bootstrap Page Header ,Bootstrap Thumbnails ,Bootstrap Alerts .Bootstrap Progress Bars ,Bootstrap Media Object ,Bootstrap List Group .Bootstrap Panels .Bootstrap Wells " Bootstrap Page Header ,Bootstrap Thumbnails ,Bootstrap Alerts .Bootstrap Progress Bars ,Bootstrap Media Object ,Bootstrap List Group .Bootstrap Panels .Bootstrap Wells	26/05/2018	24/05/2018	
20	Module 01	STCESA DJ2EE106	20.Bootstrap Plugins Overview .Bootstrap Transition Plugin ,Bootstrap Modal Plugin ..Bootstrap Dropdown Plugin .Bootstrap Tab Plugin .Bootstrap Tooltip Plugin .Bootstrap Popover Plugin ..Bootstrap Button Plugin,Bootstrap Collapse Plugin . Bootstrap Plugins Overview .Bootstrap Transition Plugin ,Bootstrap Modal Plugin ..Bootstrap Dropdown Plugin .Bootstrap Tab Plugin .Bootstrap Tooltip Plugin .Bootstrap Popover Plugin ..Bootstrap Button Plugin,Bootstrap Collapse Plugin .	27/05/2018	27/05/2018	
21	Module 01	STCESA DJ2EE 105	Demonstrate knowledge on JavaScript , Demonstrate some samples of JavaScript Basic usage of JavaScript in a web page • Apply skills on JavaScript into your HTML Pages • Demonstrate advantages pf JavaScript in comparison with HTML • Apply skills on alerting the viewer • Apply skills on prompting a reaction • Change Background Colours • Demonstrate knowledge on generated JavaScript	28/05/2018	28/05/2018	
22	Module 01	STCESA DJ2EE 105	18.Demonstrate knowledge on literals Demonstrate Numbers • Scientific Notations • Hexadecimal Literals • Strings • The Escape Sequence for Strings • Boolean Values • Calculations and Concatenations • Objects as Literals	29/05/2018	29/05/2018	
23	Module 01	STCESA DJ2EE 105	19.Demonstrate knowledge on literals,Gain knowledge on Variables Functions as literals • Undefined and Null Values • Regular Expression Literals • Declaring and Naming • Global and Local Variables • Primitive and Compound Data	30/05/2018	30/05/2018	

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24	Module 01	STCESA DJ2EE10 5	20. Demonstrate knowledge on literalsGain knowledge on Variables Functions as literals • Undefined and Null Values • Regular Expression Literals • Declaring and Naming • Global and Local Variables • Primitive and Compound Data	31/05/2018	31/05/2018	
25	Module 01	STCESA DJ2EE10 5	21. Demonstrate Arrays and Operator Demonstrate arrays • Setting up and array • Array properties and methods • Array length • Functions of array object • Operators in JavaScript	04/06/2018	04/06/2018	
26	Module 01	STCESA DJ2EE10 8	22. Apply skills on sequenced statements Variable Declaration and Assignments • Function Definitions • Function Calls • Increment/Decrement Statements	05/06/2018	05/06/2018	
27	Module 01	STCESA DJ2EE10 8	27. Apply skills on branching statements Apply skills on conditional structures • Demonstrate the if statements • Demonstrate the else keyword • Demonstrate the else if convention • Apply skills on using switch, case and break	06/06/2018	06/06/2018	
28	Module 01	STCESA DJ2EE10 8	28. Demonstrate loops Demonstrate loops	07/06/2018	07/06/2018	
29	Module 01	STCESA DJ2EE10 9	Demonstrate loops Demonstrate the with statement • Demonstrate the label and continue statements • Demonstrate nested loops	09/06/2018	09/06/2018	
30	Module 01	STCESA DJ2EE10 9	Apply skills on using functions in JavaScript Apply skills on methods and functions • Apply skills on creating functions • Firing functions with event handlers • Demonstrate event categories • Load Events • Apply skills on form-related events • Demonstrate the return statements • Apply skills on using functions as data	10/06/2018	10/06/2018	

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31	Module 01	STCESA DJ2EE10 9	27. Apply skills on using functions in JavaScript, Demonstrate object and hierarchies Apply skills on using the function CONSTRUCTOR • Apply skills on using function literals • Demonstrate properties in functions • Demonstrate hierarchy of objects in JavaScript • Demonstrate user-defined objects • Demonstrate built-in objects and their properties • Demonstrate key build-in object methods	11/06/2018	11/06/2018	
32	Module 01	STCESA DJ2EE10 9	28. Demonstrate object oriented programming in JavaScript Demonstrate object oriented programming in JavaScript	12/06/2018	12/06/2018	
0			Review class for Eid holidays	23/06/2018		
0			Review class for Eid holidays	24/06/2018		
0			Review class for Eid Holidays	25/06/2018		
0			Review class for Eid Holidays	26/06/2018		
0			Review class for Eid Holidays	27/06/2018		
33	Module 01	STCESA DJ2EE10 9	29. Demonstrate using frames with JavaScript Gain knowledge on the windows as a complex object • Demonstrate the frame elements and attributes • Setting up the frameset • Apply skills on all available concept and examples related	28/06/2018	28/06/2018	
34	Module 01	STCESA DJ2EE10 9	30. Demonstrate event handlers Demonstrate event handlers	30/06/2018	01/07/2018	

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35	Module 01	STCESA DJ2EE 108	31. Apply skills on using Forms with JavaScript Apply skill on using many types of FORM elements in HTML • Apply skills on passing data between forms and variables • Demonstrate forms and elements • Apply skills on addressing and naming forms • Apply skills on passing hidden text and unseen data between pages	01/07/2018	02/07/2018	
36	Module 01	STCESA DJ2EE 108	31. Save time and memory with Cookies Demonstrate what are cookies and how are they used • Apply skills on putting cookies to work • Create a Cookie • Reading Cookies • Add More Attributes • Getting Information and Giving It Back • Delete Cookies	02/07/2018	03/07/2018	
37	Module 01	STCESA DJ2EE 108	32. Apply skills on a complete user response web page Evaluating the user response • Navigate to the user input site • Use built-in Objects	03/07/2018	04/07/2018	
38	Module 01	STCESA DJ2EE 110	33. Apply skills on storing data in objects, Create script for user data validation and searching record from object in web page Apply skills on sequenced statements Define, create, customize & store data in objects • Confirm the Data is valid using validation Statements in JavaScript • Search a specific record in object	04/07/2018	05/07/2018	
39	Module 02	STCESA DJ2EE 201	1. Introduction Describing the Life Cycle Development Phases Defining a Relational Database • Discussing the Theoretical, Conceptual, and Physical Aspects of a Relational Database • Describing How a Relational Database • Management System (RDBMS) Is Used to Manage a Relational Database • Describing the Oracle Implementation of Both the RDBMS and the Object Relational Database Management System (ORDBMS) • Describing How SQL Is Used in the Oracle Product Set	05/07/2018	07/07/2018	
40	Module 02	STCESA DJ2EE 201	2. Writing Basic Select Statements Describing the SQL Select Capabilities • Executing a Basic Select Statement with the Mandatory Clauses • Operators, Literals and Row Duplication	07/07/2018	08/07/2018	

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41	Module 02	STCESA DJ2EE 201	3. Writing Basic Select Statements Operators, Literals and Row Duplication • Differentiating Between SQL and iSQL*Plus Commands • Apply SQL Command using iSQL *Plus	08/07/2018	09/07/2018	
42	Module 02	STCESA DJ2EE 202	4. Restricting and sorting Data Limiting the Rows Retrieved by a Query • Sorting the Rows Retrieved by a Query Substitution variable	09/07/2018	10/07/2018	
43	Module 02	STCESA DJ2EE 203	5. Restricting and sorting Data Limiting the Rows Retrieved by a Query • Sorting the Rows Retrieved by a Query Substitution variable	10/07/2018	11/07/2018	
44	Module 02	STCESA DJ2EE 202	6. Single- Row Function Using a Variety of Character, Number, and Date Functions in SELECT Statements • Explaining What the Conversion Functions Are and How They Are Used	11/07/2018	12/07/2018	
45	Module 02	STCESA DJ2EE 202	7. Single- Row Function Explaining What the Conversion Functions Are and How They Are Used • Using Control Statements	12/07/2018	14/07/2018	
46	Module 02	STCESA DJ2EE 202	8. Displaying Data from Multiple Tables Writing SELECT Statements to Access Data from More Than One Table • Describing the Cartesian Product	14/07/2018	15/07/2018	
47	Module 02	STCESA DJ2EE 202	9. Displaying Data from Multiple Tables Describing and Using the Different Types of Joins • Writing Joins Using the Tips Provided	15/07/2018	16/07/2018	
48	Module 02	STCESA DJ2EE 202	10. Aggregating data using Group functions Identifying the Different Group Functions Available • Explaining the Use of Group Functions	16/07/2018	17/07/2018	
49	Module 02	STCESA DJ2EE 202	11. Aggregating data using Group functions Explaining the Use of Group Functions • Grouping Data by Using the GROUP BY and HAVING Clause	17/07/2018	18/07/2018	

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50	Module 02	STCESA DJ2EE 202	12. Writing Subqueries Describing the Types of Problems That Subqueries Can Solve • Describing Subqueries • Listing the Types of Subqueries	18/07/2018	19/07/2018	
51	Module 02	STCESA DJ2EE 202	13. Writing Subqueries Writing Single-Row and Multi-Row Subqueries • Describing and Explaining the Behavior of Subqueries When NULL Values Are Retrieved	19/07/2018	21/07/2018	
52	Module 02	STCESA DJ2EE 202	14. Using Set Operators Describing the Set Operators • Obeying the Set Operators Rules and Guidelines • Using a Set Operator to Combine Multiple Queries into a Single Subquery • Controlling the Order of Rows Returned	21/07/2018	22/07/2018	
53	Module 02	STCESA DJ2EE 202	15. Manipulating Data Describing Each Data Manipulation Language (DML) Command • Inserting Rows into a Table • Updating Rows in a Table	22/07/2018	26/07/2018	
54	Module 02	STCESA DJ2EE 202	16. Manipulating Data Deleting Rows from a Table • Merging Rows into a Table • Controlling Transactions	26/07/2018	28/07/2018	
55	Module 02	STCESA DJ2EE 202	17. Manipulating Data Describing Transaction Processing • Describing Read Consistency and Implicit and Explicit Locking	28/07/2018	29/07/2018	
56	Module 02	STCESA DJ2EE 203	18. Creating and Managing Tables Describing the Main Database Objects • Creating Tables • Describing the Oracle Data Types	29/07/2018	30/07/2018	
57	Module 02	STCESA DJ2EE 203	19. Creating and Managing Tables Altering Table Definitions • Dropping, Renaming, and Truncating Tables	30/07/2018	31/07/2018	
58	Module 02	STCESA DJ2EE 203	20. Constraints Describing Constraints	31/07/2018	01/08/2018	

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59	Module 02	STCESA DJ2EE 203	21. Constraints Creating and Maintaining Constraints	01/08/2018	02/08/2018	
60	Module 02	STCESA DJ2EE 203	22. Creating Views Describing Views and Their Uses • Creating a View • Retrieving Data by Means of a View • Inserting, Updating, and Deleting Data Through Views • Dropping Views • Altering the Definition of a View • Inline Views • Top N Analysis	02/08/2018	04/08/2018	
61	Module 02	STCESA DJ2EE 203	23. Other Database Objects Creating, Maintaining, and Using Sequences • Creating and Maintaining Indexes • Creating Private and Public Synonyms	04/08/2018	07/08/2018	
62	Module 02	STCESA DJ2EE 204	24. Controlling User Access Understanding the Concepts of Users, Roles, and Privileges • Granting and Revoking Object Privileges • Creating Roles and Granting Privileges to Roles • Creating Synonyms for Ease of Table Access	05/08/2018	08/08/2018	
63	Module 02	STCESA DJ2EE 205	25. PL/SQL overview Data types,variables,constant,	06/08/2018	09/08/2018	
64	Module 02	STCESA DJ2EE 205	26.PL/SQL overview Operator,conditions,	07/08/2018	11/08/2018	
65	Module 02	STCESA DJ2EE 205	27. PL/SQL overview Loop,string,array	08/08/2018	12/08/2018	
66	Module 02	STCESA DJ2EE 206	28. Procedures & Functions Procedures & Functions,cursors	09/08/2018	13/08/2018	
67	Module 02	STCESA Dj2EE 206	29. Exceptions & Triggers Exceptions & Triggersr	11/08/2018	14/08/2018	
68	Module 02	STCESA DJ2EE 206	30. Transactions Transactions	12/08/2018	16/08/2018	

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
69	Module 03	STCESA DJ2EE 301	<p>1. Introduction to Computers, Programs, and Java</p> <p>Java, the World Wide Web, and Beyond 10</p> <p>1.6 The Java Language Specification, API, JDK, and IDE 11</p> <p>1.7 A Simple Java Program 12</p> <p>1.8 Creating, Compiling, and Executing a Java Program 15</p> <p>1.9 Programming Style and Documentation 18</p> <p>1.10 Programming Errors 20</p> <p>1.11 Developing Java Programs Using NetBeans 23</p> <p>1.12 Developing Java Programs Using Eclipse</p>	13/08/2018	18/08/2018	
70	Module 03	STCESA DJ2EE 301	<p>2. Elementary Programming</p> <p>Introduction 34</p> <p>2.2 Writing a Simple Program 34</p> <p>2.3 Reading Input from the Console 37</p> <p>2.4 Identifiers 39</p> <p>2.5 Variables 40</p> <p>2.6 Assignment Statements and Assignment Expressions 41</p> <p>2.7 Named Constants 43</p> <p>2.8 Naming Conventions 44</p> <p>2.9 Numeric Data Types and Operations 44</p> <p>2.10 Numeric Literals 48</p> <p>2.11 Evaluating Expressions and Operator Precedence 50</p> <p>2.12 Case Study: Displaying the Current Time 52</p> <p>2.13 Augmented Assignment Operators 54</p> <p>2.14 Increment and Decrement Operators</p>	14/08/2018	27/08/2018	

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
71	Module 03	STCESA DJ2EE 301	<p>3. Selections</p> <p>3.2 boolean Data Type 76</p> <p>3.3 if Statements 78</p> <p>3.4 Two-Way if-else Statements 80</p> <p>3.5 Nested if and Multi-Way if-else Statements 81</p> <p>3.6 Common Errors and Pitfalls 83</p> <p>3.7 Generating Random Numbers 87</p> <p>3.8 Case Study: Computing Body Mass Index 89</p> <p>3.9 Case Study: Computing Taxes 90</p> <p>3.10 Logical Operators 93</p> <p>3.11 Case Study: Determining Leap Year 97</p> <p>3.12 Case Study: Lottery 98</p> <p>3.13 switch Statements 100</p> <p>3.14 Conditional Expressions 103</p>	16/08/2018	28/08/2018	
72	Module 03	STCESA DJ2EE 301	<p>4.Mathematical Functions, Characters, and Strings</p> <p>Introduction 120</p> <p>4.2 Common Mathematical Functions 120</p> <p>4.3 Character Data Type and Operations 125</p> <p>4.4 The String Type 130</p> <p>4.5 Case Studies 139</p> <p>4.6 Formatting Console Output</p>	18/08/2018	29/08/2018	

SI	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
73	Module 03	STCESA DJ2EE 301	<p>5. Loops</p> <p>Introduction 158</p> <p>5.2 The while Loop 158</p> <p>5.3 The do-while Loop 168</p> <p>5.4 The for Loop 170</p> <p>5.5 Which Loop to Use</p>	27/08/2018	30/08/2018	
74	Module 03	STCESA DJ2EE 301	<p>6. Loops</p> <p>Nested Loops 176</p> <p>5.7 Minimizing Numeric Errors 178</p> <p>5.8 Case Studies 179</p> <p>5.9 Keywords <i>break</i> and <i>continue</i> 184</p> <p>5.10 Case Study: Checking Palindromes 187</p> <p>5.11 Case Study: Displaying Prime Numbers</p>	28/08/2018	01/09/2018	
75	Module 03	STCESA DJ2EE 302	<p>7.Methods</p> <p>Introduction 204</p> <p>6.2 Defining a Method 204</p> <p>6.3 Calling a Method 206</p> <p>6.4 void Method Example 209</p> <p>6.5 Passing Arguments by Values 212</p> <p>6.6 Modularizing Code 215</p> <p>6.7 Case Study: Converting Hexadecimals to Decimals 217</p> <p>6.8 Overloading Methods 219</p> <p>6.9 The Scope of Variables</p>	29/08/2018	05/09/2018	

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
76	Module 03	STCESA DJ2EE 302	<p>Single-Dimensional Arrays</p> <p>7.12 The Arrays Class 270 7.11 Sorting Arrays 269 7.10 Searching Arrays 265 7.9 Variable-Length Argument Lists 264 7.8 Case Study: Counting the Occurrences of Each Letter 261 7.7 Returning an Array from a Method 260 7.6 Passing Arrays to Methods 257 7.5 Copying Arrays 256 7.4 Case Study: Deck of Cards 254 7.3 Case Study: Analyzing Numbers 253 Array Basics 246</p> <p>7.13 Command-Line Arguments</p>	30/08/2018	06/09/2018	
77	Module 03	STCESA DJ2EE 302	<p>Multidimensional Arrays</p> <p>Introduction 288</p> <p>8.2 Two-Dimensional Array Basics</p> <p>Processing Two-Dimensional Arrays 291</p> <p>8.4 Passing Two-Dimensional Arrays to Methods 293</p> <p>8.5 Case Study: Grading a Multiple-Choice Test 294</p> <p>8.6 Case Study: Finding the Closest Pair</p>	01/09/2018	08/09/2018	

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
78	Module 03	STCESA DJ2EE 303	10. Objects and Classes <ul style="list-style-type: none"> 1 Introduction 322 9.2 Defining Classes for Objects 322 9.3 Example: Defining Classes and Creating Objects 324 9.4 Constructing Objects Using Constructors 329 9.5 Accessing Objects via Reference Variables 330 9.6 Using Classes from the Java Library 334 9.7 Static Variables, Constants, and Methods 337 9.8 Visibility Modifiers 342 	05/09/2018	09/09/2018	
79	Module 03	STCESA DJ2EE 303	11. Objects and Classes <ul style="list-style-type: none"> Data Field Encapsulation 344 9.10 Passing Objects to Methods 347 9.11 Array of Objects 351 9.12 Immutable Objects and Classes 353 9.13 The Scope of Variables 355 9.14 The this Reference 356 	06/09/2018	10/09/2018	

SI	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
80	Module 03	STCESA DJ2EE 303	<p>12. Object-Oriented Thinking</p> <p>Introduction 366</p> <p>10.2 Class Abstraction and Encapsulation 366</p> <p>10.3 Thinking in Objects 370</p> <p>10.4 Class Relationships 373</p> <p>10.5 Case Study: Designing the Course Class 376</p> <p>10.6 Case Study: Designing a Class for Stacks 378</p> <p>10.7 Processing Primitive Data Type Values as Objects 380</p>	08/09/2018	12/09/2018	
81	Module 03	STCESA DJ2EE 303	<p>13. Object-Oriented Thinking</p> <p>10.8 Automatic Conversion between Primitive Types and Wrapper Class Types 383</p> <p>10.9 The BigInteger and BigDecimal Classes 384</p> <p>10.10 The String Class 386</p> <p>10.11 The StringBuilder and StringBuffer Classes 392</p>	09/09/2018	13/09/2018	

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
82	Module 03	STCESA DJ2EE 303	14. Inheritance and Polymorphism Introduction 410 11.2 Superclasses and Subclasses 410 11.3 Using the super Keyword 416 11.4 Overriding Methods 419 11.5 Overriding vs. Overloading 420 11.6 The Object Class and Its <code>toString()</code> Method 422 11.7 Polymorphism 423 11.8 Dynamic Binding 424 11.9 Casting Objects and the <code>instanceof</code> Operator 427 11.10 The Object's <code>equals</code> Method 431	10/09/2018	16/09/2018	
83	Module 03	STCESA DJ2EE 303	15. Exception Handling and Text I/O 12.3 Exception Types 455 12.4 More on Exception Handling 458 12.5 The <code>finally</code> Clause 466 12.6 When to Use Exceptions 467 12.7 Rethrowing Exceptions 468 12.8 Chained Exceptions 469 12.9 Defining Custom Exception Classes 470	12/09/2018	17/09/2018	

SI	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
84	Module 03	STCESA DJ2EE 303	16.Exception Handling and Text I/O 12.10 The File Class 473 12.11 File Input and Output 476 12.12 Reading Data from the Web 482 12.13 Case Study: Web Crawler 484	13/09/2018	18/09/2018	
85	Module 03	STCESA DJ2EE 304	17. Abstract Classes and Interfaces 13.2 Abstract Classes 496 13.3 Case Study: the Abstract Number Class 501 13.4 Case Study: Calendar and GregorianCalendar 503 13.5 Interfaces 506 13.6 The Comparable Interface 509 13.7 The Cloneable Interface 513 13.8 Interfaces vs. Abstract Classes 517	15/09/2018	19/09/2018	
86	Module 03	STCESA DJ2EE 304	18. Binary I/O 1 Introduction 678 17.2 How Is Text I/O Handled in Java? 678 17.3 Text I/O vs. Binary I/O 679 17.4 Binary I/O Classes 680 17.5 Case Study: Copying Files 691 17.6 Object I/O 692 17.7 Random-Access Files 697	16/09/2018	20/09/2018	

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
87	Module 03	STCESA DJ2EE 304	<p>19. Recursion</p> <p>Introduction 706</p> <p>18.2 Case Study: Computing Factorials 706</p> <p>18.3 Case Study: Computing Fibonacci Numbers 709</p> <p>18.4 Problem Solving Using Recursion 712</p> <p>18.5 Recursive Helper Methods 714</p> <p>18.6 Case Study: Finding the Directory Size 717</p> <p>18.7 Case Study: Tower of Hanoi 719</p> <p>18.8 Case Study: Fractals 722</p> <p>18.9 Recursion vs. Iteration 726</p>	17/09/2018	21/09/2018	
88	Module 03	STCESA DJ2EE 304	<p>20. Generics</p> <p>19.2 Motivations and Benefits 738</p> <p>19.3 Defining Generic Classes and Interfaces 740</p> <p>19.4 Generic Methods 742</p> <p>19.5 Case Study: Sorting an Array of Objects 744</p> <p>19.6 Raw Types and Backward Compatibility 746</p> <p>19.7 Wildcard Generic Types 747</p> <p>19.8 Erasure and Restrictions on Generics 750</p>	18/09/2018	22/09/2018	

SI	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
89	Module 03	STCESA DJ2EE 304	<p>21. Lists, Stacks, Queues, and Priority Queues</p> <p>20.2 Collections 762</p> <p>20.3 Iterators 766</p> <p>20.4 Lists 767</p> <p>20.5 The Comparator Interface 772</p> <p>20.6 Static Methods for Lists and Collections 773</p> <p>20.7 Case Study: Bouncing Balls 777</p> <p>20.8 Vector and Stack Classes 781</p> <p>Contents xvii</p> <p>20.9 Queues and Priority Queues 783</p>	19/09/2018	23/09/2018	
90	Module 03	STCESA DJ2EE 305	<p>22. Sets and Maps</p> <p>21.2 Sets 798</p> <p>21.3 Comparing the Performance of Sets and Lists 806</p> <p>21.4 Case Study: Counting Keywords 809</p> <p>21.5 Maps 810</p> <p>21.6 Case Study: Occurrences of Words 815</p> <p>21.7 Singleton and Unmodifiable Collections and Maps</p>	20/09/2018	24/09/2018	

SI	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
91	Module 03	STCESA DJ2EE 305	<p>Developing Efficient Algorithms</p> <p>Measuring Algorithm Efficiency Using Big <i>O</i> Notation 822</p> <p>22.3 Examples: Determining Big <i>O</i> 824</p> <p>22.4 Analyzing Algorithm Time Complexity 828</p> <p>22.5 Finding Fibonacci Numbers Using Dynamic Programming 831</p> <p>22.6 Finding Greatest Common Divisors Using Euclid's Algorithm 833</p> <p>22.7 Efficient Algorithms for Finding Prime Numbers 837</p> <p>22.8 Finding the Closest Pair of Points Using Divide-and-Conquer 843</p>	22/09/2018	25/09/2018	
92	Module 03	STCESA DJ2EE 305	<p>Sorting</p> <p>23.2 Insertion Sort 862</p> <p>23.3 Bubble Sort 864</p> <p>23.4 Merge Sort 867</p> <p>23.5 Quick Sort 870</p> <p>23.6 Heap Sort 874</p> <p>23.7 Bucket Sort and Radix Sort 881</p> <p>23.8 External Sort 883</p>	23/09/2018	26/09/2018	

SI	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
93	Module 03	STCESA DJ2EE 305	<p>24.Implementing Lists, Stacks, Queues, and Priority Queues</p> <p>24.2 Common Features for Lists 896</p> <p>24.3 Array Lists 900</p> <p>24.4 Linked Lists 906</p> <p>24.5 Stacks and Queues 920</p> <p>24.6 Priority Queues 924</p>	24/09/2018	27/09/2018	
94	Module 03	STCESA DJ2EE 305	<p>24.Implementing Lists, Stacks, Queues, and Priority Queues</p> <p>24.2 Common Features for Lists 896</p> <p>24.3 Array Lists 900</p> <p>24.4 Linked Lists 906</p> <p>24.5 Stacks and Queues 920</p> <p>24.6 Priority Queues 924</p>	25/09/2018	29/09/2018	

SI	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
95	Module 03	STCESA DJ2EE 306	Binary Search Trees Introduction 930 25.2 Binary Search Trees 930 25.3 Deleting Elements from a BST 943 25.4 Tree Visualization and MVC 949 25.5 Iterators 952	26/09/2018	30/09/2018	
96	Module 03	STCESA DJ2EE 306	AVL Trees Overriding the insert Method 970 26.5 Implementing Rotations 971 26.6 Implementing the delete Method 972 26.7 The AVLTree Class 972 26.8 Testing the AVLTree Class 978 26.9 AVL Tree Time Complexity Analysis	27/09/2018	04/10/2018	
97	Module 03	STCESA DJ2EE 306	Hashing Introduction 986 27.2 What Is Hashing? 986 27.3 Hash Functions and Hash Codes 987 27.4 Handling Collisions Using Open Addressing 989 27.5 Handling Collisions Using Separate Chaining	29/09/2018	06/10/2018	
98	Module 03	STCESA DJ2EE 306	27 Hashing 6 Load Factor and Rehashing 993 27.7 Implementing a Map Using Hashing 995 27.8 Implementing Set Using Hashing 1004	30/09/2018	07/10/2018	

SI	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
99	Module 03	STCESA DJ2EE 307	Multithreading and Parallel Programming Introduction 1098 30.2 Thread Concepts 1098 30.3 Creating Tasks and Threads 1098 30.4 The Thread Class 1102	04/10/2018	08/10/2018	
100	Module 03	STCESA DJ2EE 307	Multithreading and Parallel Programming Thread Pools 1106 30.7 Thread Synchronization 1108 30.8 Synchronization Using Locks 1112 30.9 Cooperation among Threads 1114 30.10 Case Study: Producer/Consumer	06/10/2018	09/10/2018	
101	Module 03	STCESA DJ2EE 307	Multithreading and Parallel 11 Blocking Queues 1122 30.12 Semaphores 1124 30.13 Avoiding Deadlocks 1126 30.14 Thread States 1126 30.15 Synchronized Collections 1127 30.16 Parallel Programming	07/10/2018	10/10/2018	
102	Module 03	STCESA DJ2EE 307	Overview on Java Overview on Java	08/10/2018	11/10/2018	
103	Module 04	STCESA DJ2EE 401	1. Introduce Visual Components for Graphical User Interface Graphical User Interfaces in Java • Creating a Window • Components and Containers • Component Attributes • The Size and Position of a Component • Use of the Points and Rectangle Objects	09/10/2018	13/10/2018	

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
10 4	Module 04	STCESA DJ2EE 401	2. Introduce Visual Components for Graphical User Interface Visual Characteristics of a Component • Color Combinations in Interface • Creating Cursors • Selecting Fonts • Swing Components	10/10/2018	14/10/2018	
10 5	Module 04	STCESA DJ2EE 401	Demonstrate knowledge on Layout Management managers • The Flow Layout Manager • Changing the Gap • Using a Border Layout Manager • Using a Card Layout Manager • Using a Grid Layout Manager	11/10/2018	16/10/2018	
10 6	Module 04	STCESA DJ2EE 401	4.Demonstrate knowledge on Layout Management Using a BoxLayout Manager • Struts and Glue • Using a GridBagLayout Manager • GridBagConstraints Instance Variables • Using a SpringLayout Manager	13/10/2018	17/10/2018	
10 7	Module 04	STCESA DJ2EE 401	5. Demonstrate knowledge on Layout Management Understanding Constraints • Creating JMenu and JMenuItem • Creating a Menu, Menu items • Adding a Shortcut for a Menu Item • Java Applets	14/10/2018	18/10/2018	
10 8	Module 04	STCESA DJ2EE 402	Demonstrate Knowledge of Event Handling Essentials and its Mechanisms Window-Based Java Programs • Event-Driven Programs • The Event-Handling Process • Avoiding Deadlocks in GUI Code • Event Classes and available Listeners	15/10/2018	20/10/2018	
10 9	Module 04	STCESA DJ2EE 402	Demonstrate Knowledge of Event Handling Essentials and its Mechanisms Event Classes and available Listeners • Using Adapter Classes • Semantic Events • Semantic Event Listeners • Semantic Event Handling in Applets	16/10/2018	21/10/2018	
11 0	Module 04	STCESA DJ2EE 402	8. Demonstrate Knowledge of Event Handling Essentials and its Mechanisms Semantic Event Handling in Applets • Alternative Event-Handling Approaches • Handling Low-Level and Semantic Events • Semantic Event Listeners in an Application Adding toolbar Using Actions • The Action Interface and its implementations • Adding Tooltips • Disabling Actions	17/10/2018	22/10/2018	

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
11 1	Module 04	STCESA DJ2EE 403	Demonstrate Knowledge on Basics for XML Document What a well-formed XML document is • What constitutes a valid XML document • What the components in an XML document are and how they are used	18/10/2018	23/10/2018	
11 2	Module 04	STCESA DJ2EE 403	Demonstrate Knowledge on Basics for XML Document What a DTD is and how it is defined • What namespaces are and why you use them "	20/10/2018	24/10/2018	
11 3	Module 04	STCESA DJ2EE 403	Demonstrate Knowledge on Programming with XML Documents What the SAX and DOM APIs are and how they differ "	21/10/2018	25/10/2018	
11 4	Module 04	STCESA DJ2EE 403	Demonstrate Knowledge on Programming with XML Documents How you read documents using SAX "	22/10/2018	27/10/2018	
11 5	Module 04	STCESA DJ2EE 403	Creating and Modifying XML Documents What a Document Object Model is • How you create a DOM parser	23/10/2018	28/10/2018	
11 6	Module 04	STCESA DJ2EE 403	14. Creating and Modifying XML Documents How you access the contents of a document using DOM • How you create and update a new XML document "	24/10/2018	29/10/2018	
11 7	Module 04	STCESA DJ2EE 403	15. Creating and Modifying XML Documents How you create and update a new XML document • How to modify Sketcher to read and write sketches as XML documents	25/10/2018	30/10/2018	
11 8	Module 04	STCESA DJ2EE 404	16. Understanding the JDBC Concepts JDBC Concepts and Terminology • The JDBC Package • Relating JDBC to ODBC • Setting UP a Database • DriverManager • Creating a Connection to a Data Source • More on Drivers • Statement Objects • Accessing Data in a Resultset	27/10/2018	03/11/2018	

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
11 9	Module 04	STCESA DJ2EE 404	17. Understanding the JDBC Concepts Getting Metadata for a Resultset • The Essential JDBC Program • Using a PreparedStatement Object • Creating an Interactive SQL Tool • Understanding the TableModel Interface	28/10/2 018	04/11/2 018	
12 0	Module 04	STCESA DJ2EE 404	18. More on JDBC Data Type and JDBC • Mapping between Java and SQL Data • Mapping Relational Data onto Java Object • Better Mapping Strategy • The Statement and PreparedStatement Interfaces • Executing DDL and DML • Statement versus PreparedStatement • The ResultSet	29/10/2 018	05/11/2 018	
12 1	Module 04	STCESA DJ2EE 404	19. More on JDBC Working with Special Data Types • Working with Streams • Calling Procedures • Vendor Error Code • Chaining SQLException • SQLWarning • Browsing a Database	30/10/2 018	07/11/2 018	
12 2	Module 04	STCESA DJ2EE 404	20. More on JDBC More on JDBC	04/11/2 018	08/11/2 018	
12 3	Module 05	STCESA DJ2EE 501	1. Avoiding the problems About prototyping and incremental life cycles • Managing Information Systems Developments • User Involvement in a Project • The role of CASE tools in systems development	05/11/2 018	10/11/2 018	
12 4	Module 05	STCESA DJ2EE 501	2. Object Orientation The fundamental concepts of object-orientation • The justifications for an object-oriented approach • Introduction to case study scenarios with and without a previous computerized system	06/11/2 018	11/11/2 018	
12 5	Module 05	STCESA DJ2EE 501	3. Modelling Concept What is meant by a model • The distinction between a model and a diagram • The UML concept of a model • Activity Diagram and Its purpose • About the Unified Software Development Process • How phases relate to workflows in an iterative life cycle • An approach to system development • Major activities in the development process	07/11/2 018	12/11/2 018	

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
12 6	Module 05	STCESA DJ2EE 502	<p>4. Requirement Capture</p> <p>Requirement Capture The distinction between the current and required systems • When and how to apply the main fact finding techniques • The roles played by users • The need to document requirements • Use Case diagram and its uses in document Requirements</p>	08/11/2018	13/11/2018	
12 7	Module 05	STCESA DJ2EE 502	<p>5. Requirements Analysis</p> <p>Why we analyse requirements • Technical terms used with class diagrams • a detailed model of user requirements • How to realize use cases with collaboration diagrams and class diagrams • Boundary, Control and Entity Classes</p>	10/11/2018	14/11/2018	
12 8	Module 05	STCESA DJ2EE 502	<p>6. Class Diagram</p> <p>Boundary, Control and Entity Classes • How the CRC technique helps identify classes and allocate responsibilities • How the UML class diagram expresses • Stereotypes</p>	11/11/2018	17/11/2018	
12 9	Module 05	STCESA DJ2EE 502	<p>7. Class Diagram</p> <p>Class and Instance Symbol • Association, Links, Multiplicity and operations • Requirement Analysis for the Case Study Agate Ltd</p>	12/11/2018	18/11/2018	
13 0	Module 05	STCESA DJ2EE 503	<p>8. Refining the Requirements Model</p> <p>What is meant by a component • How generalization and aggregation help to develop reusable components • How to identify generalization and composition • How to model generalization and composition • What is meant by the term pattern • What types of patterns can be used in software development</p>	13/11/2018	19/11/2018	
13 1	Module 05	STCESA DJ2EE 503	<p>9. Object Interaction</p> <p>How to develop object collaboration from use cases • How to model object collaboration using an interaction sequence diagram • How to model object collaboration using an interaction collaboration diagram • How to cross-check between interaction diagrams and a class diagram</p>	14/11/2018	20/11/2018	

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
13 2	Module 05	STCESA DJ2EE 503	10. Specifying Operations About the role of operation specifications • What is meant by "Contracts" • About algorithmic and non-algorithmic techniques, and how they differ • How to use: • Decision Tables	15/11/2018	22/11/2018	
13 3	Module 05	STCESA DJ2EE 503	11. Specifying Controls How to identify requirements for control in an application • How to model object life cycles using statecharts • How to develop statechart diagrams from interaction diagrams • How to model concurrent behaviour in an object • How to ensure consistency with other UML models	17/11/2018	23/11/2018	
13 4	Module 05	STCESA DJ2EE 504	12. Moving into design The difference between analysis and design • The difference between logical and physical design • The difference between system and detailed design • The characteristics of a good design • The need to make trade-offs in design	18/11/2018	24/11/2018	
13 5	Module 05	STCESA DJ2EE 504	13. System Design The major concerns of system design • The main aspects of system architecture, in particular what is meant by subdividing a system into layers and partitions • How to apply the MVC architecture	19/11/2018	25/11/2018	
13 6	Module 05	STCESA DJ2EE 504	14. Object Design Which architectures are most suitable for distributed systems • How design standards are specified • How to apply criteria for good design How to design associations • The impact of integrity constraints on design • How to design operations • The role of normalization in object design	20/11/2018	26/11/2018	
13 7	Module 05	STCESA DJ2EE 504	15. Design Patterns & Implementation What types of patterns have been identified in software development • How to apply design patterns during software development • The benefits and difficulties that may arise when using patterns About tools used in software implementation • How to draw component diagrams • How to draw deployment diagrams • The tasks involved in testing a system	21/11/2018	27/11/2018	

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
13 8	Module 06	STCESA DJ2EE 601	1. The Anatomy of a JavaServer Page The Anatomy of a JavaServer Page Giving an Introduction • Java Servlets and JSP Under the Hood • The JSP Life Cycle and JavaServer Pages Best Practices	22/11/2018	01/12/2018	
13 9	Module 06	STCESA DJ2EE 601	2. The Anatomy of a JavaServer Page Demonstrate the basics of Reusability, Readability, and Maintainability • JavaServer Pages Application Architecture (Model 1 and Model 2) • Introducing the JSP Fundamentals	24/11/2018	02/12/2018	
14 0	Module 06	STCESA DJ2EE 601	3. Demonstrate knowledge of Servlets API Demonstrate Servlets as What Is a Servlets? Why Servlets? • JavaServer Pages Are Servlets, The javax.servlet Interfaces • The javax.servlet Classes and The Life Cycle of a Servlet	25/11/2018	03/12/2018	
14 1	Module 06	STCESA DJ2EE 601	4. Demonstrate knowledge of Servlets API Apply skills Testing a Simple Servlets • Demonstrate and encourage each individual to create same type but different Servlets	26/11/2018	04/12/2018	
14 2	Module 06	STCESA DJ2EE 601	5. Demonstrate more about of Servlets and it's Deployment Demonstrate more about of Servlets and it's Deployment	27/11/2018	05/12/2018	
14 3	Module 06	STCESA DJ2EE 602	6. The JavaServer Pages Expression Language Apply skills using Expression Language and its use in JavaServer Pages • Arithmetic Evaluation Using the Expression Language • Comparisons in the Expression Language Operators used in the Expression Language • Demonstrate JavaBeans and the Expression Language • Expression-Language Implicit Objects	02/12/2018	07/12/2018	
14 4	Module 06	STCESA DJ2EE 602	7. Demonstrate JavaServer Pages Standard Tag Library Installing the JavaServer Pages Standard Tag Library • Understanding the JavaServer Pages Standard Tag Libraries	03/12/2018	08/12/2018	

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
14 5	Module 06	STCESA DJ2EE 602	8. Demonstrate JavaServer Pages Standard Tag Library Using the JavaServer Pages Standard Tag Libraries	04/12/2 018	09/12/2 018	
14 6	Module 06	STCESA DJ2EE 602	9. Demonstrate JavaServer Pages Standard Tag Library Demonstrate and encourage each individual to create and use Tag Library in their own application	05/12/2 018	10/12/2 018	
14 7	Module 06	STCESA DJ2EE 603	10.Demonstrate the Basics of JavaServer Faces Giving and Introduction to JSF using various aspect • Installing JSF	06/12/2 018	11/12/2 018	
14 8	Module 06	STCESA DJ2EE 603	11. Demonstrate the Basics of JavaServer Faces Using JSF with JSP Pages, JSF Life Cycle and related examples	08/12/2 018	12/12/2 018	
14 9	Module 06	STCESA DJ2EE 603	12. Demonstrate the Basics of JavaServer Faces Managed Beans and Controlling Page Navigation • Demonstrate and encourage each individual to create their own customized JSF application	09/12/2 018	13/12/2 018	
15 0	Module 06	STCESA DJ2EE 603	13. Demonstrate a little More in JavaServer Faces Accessing Context Data in Beans • Data conversions and Input validations Event Handling and Message Bundles	10/12/2 018	15/12/2 018	
15 1	Module 06	STCESA DJ2EE 603	14. Tag Files and Simple Tags Demonstrate Custom Tags in JSP • Using Tag Files, and Simple Tags Customizing Functionality with Attributes • Evaluating Body Content	11/12/2 018	17/12/2 018	
15 2	Module 06	STCESA DJ2EE 603	15. Classic Tags Classic Tags Overview Customizing Functionality by using Attributes Dynamic Attributes	12/12/2 018	18/12/2 018	
15 3	Module 06	STCESA DJ2EE 603	16. Classic Tags Iteration Tags Body Tags Iteration Tags Body Tags	13/12/2 018	19/12/2 018	
15 4	Module 06	STCESA DJ2EE 604	17. Data Access Options for Web Applications Data Access Technologies	15/12/2 018	20/12/2 018	

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
15 5	Module 06	STCESA DJ2EE 604	18. Data Access Options for Web Applications Data Access Architectures	17/12/2 018	22/12/2 018	
15 6	Module 06	STCESA DJ2EE 604	Data Access Options for Web Applications Implementing the RSS Newsreader	18/12/2 018	23/12/2 018	
15 7	Module 06	STCESA DJ2EE 604	20. Introduction to Filtering Common Filter Applications • The Big Picture of Filtering • Filters in Depth	19/12/2 018	24/12/2 018	
15 8	Module 06	STCESA DJ2EE 604	21. Introduction to Filtering Hands-On Filter Development • Other Filter-Like Technologies • Filter Design Best Practices	20/12/2 018	26/12/2 018	
15 9	Module 06	STCESA DJ2EE 605	22. Security in Web Applications Overview of Application Security • Apply skills using Authentication	22/12/2 018	27/12/2 018	
16 0	Module 06	STCESA DJ2EE 605	23. Security in Web Applications Apply skills using Authentication • Authorization	23/12/2 018	03/01/2 019	
16 1	Module 06	STCESA DJ2EE 605	24. Getting Started with PrimeFaces Theming Concept Introduction 7 Setting up and configuring the PrimeFaces library 8 AJAX basics with Process and Update 11 Internationalization (i18n) and Localization (L10n) 14 Improved resource ordering 18 PrimeFaces scaffolding with Spring Roo Introduction 25 Understanding the structural and skinning CSS 26 Installing themes 30 Customizing theme styles 32 Customizing default styles on input components 36 Adjusting the font and size throughout the web application 40 Why does the theme look different in Internet Explorer? 41 Simple ways to create a new theme 44 Default stateless theme switcher 47 Alternative stateful theme switchers 48	24/12/2 018	04/01/2 019	

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
16 2	Module 06	STCESA DJ2EE 606	25. Enhanced Inputs and Selects Introduction 53 Formatted input with inputMask 54 Auto suggestion with autoComplete 56 Usable features of inputTextArea 59 Discovering selectBooleanCheckbox and selectManyCheckbox 60 Basic and advanced calendar scenarios 62 Spinner – different ways to provide input 67 Slider – different ways to provide input 69 Rich text editing with editor 71 Advanced editing with in-place editor 74 Enhanced password input 76 Star-based rating input 78	26/12/2018	06/01/2019	
16 3	Module 06	STCESA DJ2EE 606	26. Grouping Content with Panels Introduction 81 Grouping content with a standard panel 81 Panel grid with colspan and rowspan support 84 Vertical stacked panels with accordion 87 Displaying overflowed content with scrollPanel 89 Working with a tabbed panel 90 Grouping of buttons and more with toolbar 94 Simulating the portal environment with dashboard 95 Creating complex layouts 97	27/12/2018	07/01/2019	
16 4	Module 06	STCESA DJ2EE 607	27. Data Iteration Components Introduction 106 Selecting rows in dataTable 106 Sorting and filtering data in dataTable 108 In-cell editing with dataTable 112 Conditional coloring in dataTable 114 Handling tons of data – LazyDataModel 116 Listing data with dataList 117 Listing data with pickList 121 Listing data with orderList 124 Visualizing data with tree 126 Visualizing the data with treeTable 130 Exporting data in various formats 135 Visualizing data with carousel 137 Visualizing data with ring 140	29/12/2018	08/01/2019	
16 5	Module 06	STCESA DJ2EE 607	28. Endless Menu Variations Introduction 143 Static and dynamic positioned menus 144 Creating a programmatic menu 147 Context menu with nested items 150 Context menu integration 152 SlideMenu – menu in iPod style 156 TieredMenu – submenus in nested overlays 158 MegaMenu – multicolumn menu 161 PanelMenu – hybrid of accordion and tree 164 Accessing commands via Menubar 167 Displaying checkboxes in SelectCheckboxMenu 171 Dock menu for Mac OS fans 174	30/12/2018	09/01/2019	

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
16 6	Module 06	STCESA DJ2EE 607	29.Working with Files and Images Introduction 177 Basic, automatic, and multiple file upload 177 Uploading a file with drag-and-drop 182 Downloading files 183 Cropping images 185 Displaying a collection of images 188 Capturing images with photoCam 192 Comparing images	31/12/2018	10/01/2019	
16 7	Module 06	STCESA DJ2EE 607	30.Drag Me, Drop Me Introduction 197 Making a component draggable 198 Restricting dragging by axis, grid, and containment 200 Snapping to the edges of nearest elements 202 Defining droppable targets 205 Restricting dropping by tolerance and acceptance 207 AJAX-enhanced drag-and-drop 210 Integrating drag-and-drop with data iteration componentsIntroduction 264 The power of the PrimeFaces selectors 264 Programmatic updating and scrolling with RequestContext 268 Two ways to trigger JavaScript execution 271 Adding AJAX callback parameters – validation within a dialog 275 Navigating to another page in AJAX calls 277 Polling – sending periodical AJAX requests 279 Blocking page pieces during long-running AJAX calls 281	03/01/2019		
16 8	Module 06	STCESA DJ2EE 608	"1.Getting Ready AngularJS & Your First AngularJS App " Getting Ready AngularJS & Your First AngularJS App	05/01/2019		
16 9	Module 06	STCESA DJ2EE 608	"2.Your First AngularJS App & Putting AngularJS in Context " Your First AngularJS App & Putting AngularJS in Context	06/01/2019		
17 0	Module 06	STCESA DJ2EE 608	3.SportsStore: A Real Application[Project] portsStore: A Real Application[Project]	07/01/2019		
17 1	Module 06	STCESA DJ2EE 608	4.SportsStore: Navigation and Checkout[Project]" SportsStore: Navigation and Checkout[Project]	08/01/2019		
17 2	Module 06	STCESA DJ2EE 608	5.The Anatomy of an AngularJS App " The Anatomy of an AngularJS App	09/01/2019		
17 3	Module 06	STCESA DJ2EE 608	"6.The Anatomy of an AngularJS App The Anatomy of an AngularJS App	10/01/2019		

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
17 4	Module 06	STCESA DJ2EE 609	7.Using Binding and Template Directives Using Binding and Template Directives	12/01/2 019		
17 5	Module 06	STCESA DJ2EE 609	8.Using Binding and Template Directives Using Binding and Template Directives	13/01/2 019		
17 6	Module 06	STCESA DJ2EE 609	9.Using Element and Event Directives Using Element and Event Directives	14/01/2 019		
17 7	Module 06	STCESA DJ2EE 609	10.Using Element and Event Directives Using Element and Event Directives	15/01/2 019		
17 8	Module 06	STCESA DJ2EE 609	11.Working with Forms Working with Forms	16/01/2 019		
17 9	Module 06	STCESA DJ2EE 609	12.Working with Forms Working with Forms	17/01/2 019		
18 0	Module 06	STCESA DJ2EE 609	13.Using Controllers and Scopes & Using Filters Using Controllers and Scopes & Using Filters	19/01/2 019		
18 1	Module 07	STCESA DJ2EE 701	Introducing Spring Inverting Control or Injecting Dependencies?.,Evolution of Dependency Injection. Beyond Dependency Injection ,Aspect-Oriented Programming with Spring.,Spring Expression Language (SpEL).,Validation in Spring . Accessing Data in Spring. Object/XML Mapping (OXM) in Spring in Spring . Managing Transactions ,Simplifying and Integrating with JEE MVC in the Web Tier Remoting Support. Mail Support 8 Job Scheduling Support Dynamic Scripting Support. Simplified Exception Handling	20/01/2 019		

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
18 2	Module 07	STCESA DJ2EE 701	<p>2.Getting started Spring & Sample Application</p> <p>Getting Started ,The Sample Application Obtaining the Spring Framework ..,Understanding Spring Packaging,The Spring MVC Showcase Application The Spring MVC Basic and Ajax Application ,Security and Authentication. Viewing Blog Entries. Posting Blog Entries.. Commenting on a Blog Entry . Filtering Out Obscenities.. Attaching Files to a Blog Entry or Comment Auditing Blog Actions. Upload Blog from an XML File Implementing SpringBlog Development Tool and Dependency Management Application Design Application Configuration Management</p>	21/01/2019		
18 3	Module 07	STCESA DJ2EE 701	<p>3.Introducing IoC and DI in Spring</p> <p>Inversion of Control and Dependency Injection,Types of Inversion of Control,Dependency Pull ,Injection.,Inversion of Control in Spring.,Dependency Injection with Spring..Beans and BeanFactories ..BeanFactory Implementations ..ApplicationContext Contextualized Dependency Lookup.,Constructor DependencyInjection.,Setter Dependency Injection....Injection vs. Lookup,Setter Injection vs. Constructor. Configuring ApplicationContext</p>	22/01/2019		
18 4	Module 07	STCESA DJ2EE 701	<p>Introducing IoC and DI in Spring</p> <p>Spring Configuration Options (XML and Java AnnotationsmBasic Configuration Overview Declare Spring Components . Using Setter Injection..... Using Constructor Injection..... Avoiding Constructor Confusion ... Injection Parameters.....Injecting Simple Values Injecting Values Using SpEL ... Injecting Beans in the Same XML Unit... Injection and ApplicationContext Nesting. Using Collections for Injection . Using Method Injection . Lookup Method Injection Method Replacement Understanding Bean Naming Bean Name Aliasing Bean Instantiation Mode</p>	23/01/2019		

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
18 5	Module 07	STCESA DJ2EE 702	<p>Spring Configuration in Detail</p> <p>Spring's Impact on Application Portability. Bean Life-Cycle Management Hooking into Bean Creation . Execute a Method When a Implementing the InitializingBean Interface.. Using JSR-250 @PostConstruct Annotati Making Your Beans "Spring Aware" . Using the BeanNameAware Interface.. Using the ApplicationContextAware Interfac Use FactoryBeans Custom FactoryBean Example: The MessageDigestFactoryBean.... Accessing a FactoryBean Directly Using the factory-bean and factory-method Attribute</p>	24/01/2019		

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