



# Project Information System

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## DAG [Delivery and Assessment Guide]

Select A Round:

37

**Batch**

J2EE/CCSL-M/37/01

Module

--ALL--

DAG

SI	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
1	Module 01	STCESA DJ2EE 101	<p><b>1. Demonstrate overall understanding of the programming process</b></p> <p>Defining the problem • Developing and refining algorithm with the aid of flowcharts • Coding , debugging, testing and documenting</p>	03/05/2018	03/05/2018	<input type="checkbox"/>
2	Module 01	STCESA DJ2EE 101	<p><b>2. Demonstrate understanding of the main features of structured programming</b></p> <p>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</p>	05/05/2018	05/05/2018	
3	Module 01	STCESA DJ2EE 101	<p><b>3. Apply skills in structured pseudocode and control processing</b></p> <p>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</p>	06/05/2018	06/05/2018	

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
4	Module 01	STCESA DJ2EE 102	<p><b>4. Apply skills in structured pseudocode and control processing</b></p> <p>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</p>	07/05/2018	07/05/2018	
5	Module 01	STCESA DJ2EE 102	<p><b>5. Understanding complex combination of condition</b></p> <p>Short descriptions of complex combinations of condition</p>	08/05/2018	08/05/2018	
6	Module 01	STCESA DJ2EE 102	<p><b>6. Demonstrate the concept of tables (arrays)</b></p> <p>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</p>	09/05/2018	09/05/2018	
7	Module 01	STCESA DJ2EE 103	<p><b>7.HTML Basics ,Primary Structure and Sections</b></p> <p>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</p>	10/05/2018	10/05/2018	
8	Module 01	STCESA DJ2EE103	<p><b>8. Document Head ,List</b></p> <p>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,</p>	12/05/2018	12/05/2018	
9	Module 01	STCESA DJ2EE103	<p><b>9.Text</b></p> <p>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</p>	13/05/2018	13/05/2018	

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
10	Module 01	STCESA DJ2EE 103	<b>10.Embedded Content (Images and Objects)</b> area,img,attributes of img,map,object,Object vs. Embed,param,	14/05/2018	14/05/2018	
11	Module 01	STCESA DJ2EE104	<b>11. Forms</b> button,Attributes in Detail,fieldset,form details, checkbox,,form element,input element,lebel,legend,optgroup,option,select,textarea,	16/05/2018	15/05/2018	
12	Module 01	STCESA DJ2EE 104	<b>12. Tabular Data. Frames</b> 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	<b>"13.Primary Structure and Sections. Text,Embedded Content (Images, Media, and More),forms,Interactive Elements",</b> 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	
14	Module 01	STCESA DJ2EE104	<b>14.Demonstrate CSS Basics,Create Style-Sheets, Colour the document using CSS,Manipulate fonts using CSS,Format text using CSS</b> 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	20/05/2018	19/05/2018	
15	Module 01	STCESA DJ2EE105	<b>15. Bootstrap Overview,Bootstrap Environment Setup ,Bootstrap Grid System ,Bootstrap CSS Overview</b> Bootstrap Overview,Bootstrap Environment Setup ,Bootstrap Grid System ,Bootstrap CSS Overview	21/05/2018	20/05/2018	

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
16	Module 01	STCESA DJ2EE10 5	<p><b>"16.Bootstrap Typography ,Bootstrap Code ..Bootstrap Tables .Bootstrap Forms ,Bootstrap Buttons ,Bootstrap Images Bootstrap Helper Classes "</b></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><b>17.Bootstarp Responsive Utilities ,Bootstrap Glyphicons ,Bootstrap Dropdowns .Bootstrap Button Groups,Bootstrap Button Dropdowns .Bootstrap Input Group</b></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><b>18.Bootstrap Navigation Elements ,Bootstrap Navbar .Bootstrap Breadcrumb . Bootstrap Pagination Bootstrap Label,Bootstrap Jumpotron "</b></p> <p>Bootstrap Navigation Elements ,Bootstrap Navbar .Bootstrap Breadcrumb . Bootstrap Pagination Bootstrap Label,Bootstrap Jumpotron</p>	24/05/2018	23/05/2018	
19	Module 01	STCESA DJ2EE10 6	<p><b>19.Bootstrap Page Header ,Bootstrap Thumbnails ,Bootstrap Alerts .Bootstrap Progress Bars ,Bootstrap Media Object ,Bootstrap List Group .Bootstrap Panels .Bootstrap Wells "</b></p> <p>Bootstrap Page Header ,Bootstrap Thumbnails ,Bootstrap Alerts .Bootstrap Progress Bars ,Bootstrap Media Object ,Bootstrap List Group .Bootstrap Panels .Bootstrap Wells</p>	26/05/2018	24/05/2018	
20	Module 01	STCESA DJ2EE10 6	<p><b>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 .</b></p> <p>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 .</p>	27/05/2018	27/05/2018	

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
21	Module 01	STCESA DJ2EE 105	<p><b>Demonstrate knowledge on JavaScript , Demonstrate some samples of JavaScript</b></p> <p>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</p>	28/05/2018	28/05/2018	
22	Module 01	STCESA DJ2EE 105	<p><b>18.Demonstrate knowledge on literals</b></p> <p>Demonstrate Numbers • Scientific Notations • Hexadecimal Literals • Strings • The Escape Sequence for Strings • Boolean Values • Calculations and Concatenations • Objects as Literals</p>	29/05/2018	29/05/2018	
23	Module 01	STCESA DJ2EE 105	<p><b>19.Demonstrate knowledge on literals,Gain knowledge on Variables</b></p> <p>Functions as literals • Undefined and Null Values • Regular Expression Literals • Declaring and Naming • Global and Local Variables • Primitive and Compound Data</p>	30/05/2018	30/05/2018	
24	Module 01	STCESA DJ2EE105	<p><b>20.Demonstrate knowledge on literalsGain knowledge on Variables</b></p> <p>Functions as literals • Undefined and Null Values • Regular Expression Literals • Declaring and Naming • Global and Local Variables • Primitive and Compound Data</p>	31/05/2018	31/05/2018	
25	Module 01	STCESA DJ2EE105	<p><b>21.Demonstrate Arrays and Operator</b></p> <p>Demonstrate arrays • Setting up and array • Array properties and methods • Array length • Functions of array object • Operators in JavaScript</p>	04/06/2018	04/06/2018	
26	Module 01	STCESA DJ2EE108	<p><b>22. Apply skills on sequenced statements</b></p> <p>Variable Declaration and Assignments • Function Definitions • Function Calls • Increment/Decrement Statements</p>	05/06/2018	05/06/2018	
27	Module 01	STCESA DJ2EE108	<p><b>27.Apply skills on branching statements</b></p> <p>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</p>	06/06/2018	06/06/2018	

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28	Module 01	STCESA DJ2EE10 8	<b>28. Demonstrate loops</b> Demonstrate loops	07/06/2018	07/06/2018	
29	Module 01	STCESA DJ2EE10 9	<b>Demonstrate loops</b> 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	<b>Apply skills on using functions in JavaScript</b> 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	
31	Module 01	STCESA DJ2EE10 9	<b>27. Apply skills on using functions in JavaScript,Demonstrate object and hierarchies</b> 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	<b>28. Demonstrate object oriented programming in JavaScript</b> 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		

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
0			Review class for Eid Holidays	27/06/2018		
33	Module 01	STCESA DJ2EE109	<b>29. Demonstrate using frames with JavaScript</b> 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 DJ2EE109	<b>30. Demonstrate event handlers</b> Demonstrate event handlers	30/06/2018	01/07/2018	
35	Module 01	STCESA DJ2EE 108	<b>31. Apply skills on using Forms with JavaScript</b> 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	<b>31. Save time and memory with Cookies</b> 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	<b>32. Apply skills on a complete user response web page</b> 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	<b>33. Apply skills on storing data in objects, Create script for user data validation and searching record from object in web page</b> <b>Apply skills on sequenced statements</b> 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	

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39	Module 02	STCESA DJ2EE 201	<p><b>1. Introduction</b></p> <p>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</p>	05/07/2018	07/07/2018	
40	Module 02	STCESA DJ2EE 201	<p><b>2. Writing Basic Select Statements</b></p> <p>Describing the SQL Select Capabilities • Executing a Basic Select Statement with the Mandatory Clauses • Operators, Literals and Row Duplication</p>	07/07/2018	08/07/2018	
41	Module 02	STCESA DJ2EE 201	<p><b>3. Writing Basic Select Statements</b></p> <p>Operators, Literals and Row Duplication • Differentiating Between SQL and iSQL*Plus Commands • Apply SQL Command using iSQL *Plus</p>	08/07/2018	09/07/2018	
42	Module 02	STCESA DJ2EE 202	<p><b>4. Restricting and sorting Data</b></p> <p>Limiting the Rows Retrieved by a Query • Sorting the Rows Retrieved by a Query Substitution variable</p>	09/07/2018	10/07/2018	
43	Module 02	STCESA DJ2EE 203	<p><b>5. Restricting and sorting Data</b></p> <p>Limiting the Rows Retrieved by a Query • Sorting the Rows Retrieved by a Query Substitution variable</p>	10/07/2018	11/07/2018	
44	Module 02	STCESA DJ2EE 202	<p><b>6. Single- Row Function</b></p> <p>Using a Variety of Character, Number, and Date Functions in SELECT Statements • Explaining What the Conversion Functions Are and How They Are Used</p>	11/07/2018	12/07/2018	
45	Module 02	STCESA DJ2EE 202	<p><b>7. Single- Row Function</b></p> <p>Explaining What the Conversion Functions Are and How They Are Used • Using Control Statements</p>	12/07/2018	14/07/2018	
46	Module 02	STCESA DJ2EE 202	<p><b>8. Displaying Data from Multiple Tables</b></p> <p>Writing SELECT Statements to Access Data from More Than One Table • Describing the Cartesian Product</p>	14/07/2018	15/07/2018	

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47	Module 02	STCESA DJ2EE 202	<b>9. Displaying Data from Multiple Tables</b> 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	<b>10. Aggregating data using Group functions</b> Identifying the Different Group Functions Available • Explaining the Use of Group Functions	16/07/2018	17/07/2018	
49	Module 02	STCESA DJ2EE 202	<b>11. Aggregating data using Group functions</b> Explaining the Use of Group Functions • Grouping Data by Using the GROUP BY and HAVING Clause	17/07/2018	18/07/2018	
50	Module 02	STCESA DJ2EE 202	<b>12. Writing Subqueries</b> 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	<b>13. Writing Subqueries</b> 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	<b>14.Using Set Operators</b> 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	<b>15. Manipulating Data</b> 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	<b>16. Manipulating Data</b> Deleting Rows from a Table • Merging Rows into a Table • Controlling Transactions	26/07/2018	28/07/2018	
55	Module 02	STCESA DJ2EE 202	<b>17. Manipulating Data</b> Describing Transaction Processing • Describing Read Consistency and Implicit and Explicit Locking	28/07/2018	29/07/2018	

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56	Module 02	STCESA DJ2EE 203	<b>18. Creating and Managing Tables</b> Describing the Main Database Objects • Creating Tables • Describing the Oracle Data Types	29/07/2018	30/07/2018	
57	Module 02	STCESA DJ2EE 203	<b>19. Creating and Managing Tables</b> Altering Table Definitions • Dropping, Renaming, and Truncating Tables	30/07/2018	31/07/2018	
58	Module 02	STCESA DJ2EE 203	<b>20. Constraints</b> Describing Constraints	31/07/2018	01/08/2018	
59	Module 02	STCESA DJ2EE 203	<b>21. Constraints</b> Creating and Maintaining Constraints	01/08/2018	02/08/2018	
60	Module 02	STCESA DJ2EE 203	<b>22. Creating Views</b> 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	<b>23. Other Database Objects</b> 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	<b>24. Controlling User Access</b> 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	<b>25. PL/SQL overview</b> Data types,variables,constant,	06/08/2018	09/08/2018	
64	Module 02	STCESA DJ2EE 205	<b>26.PL/SQL overview</b> Operator,conditions,	07/08/2018	11/08/2018	
65	Module 02	STCESA DJ2EE 205	<b>27. PL/SQL overview</b> Loop,string,array	08/08/2018	12/08/2018	

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66	Module 02	STCESA DJ2EE 206	<b>28. Procedures &amp; Functions</b> Procedures & Functions,cursors	09/08/2018	13/08/2018	
67	Module 02	STCESA DJ2EE 206	<b>29. Exceptions &amp; Triggers</b> Exceptions & Triggersr	11/08/2018	14/08/2018	
68	Module 02	STCESA DJ2EE 206	<b>30. Transactions</b> Transactions	12/08/2018	16/08/2018	
69	Module 03	STCESA DJ2EE 301	<b>1.Introduction to Computers, Programs, and Java</b>  Java, the World Wide Web, and Beyond 10  1.6 The Java Language Specification, API, JDK, and IDE 11  1.7 A Simple Java Program 12  1.8 Creating, Compiling, and Executing a Java Program 15  1.9 Programming Style and Documentation 18  1.10 Programming Errors 20  1.11 Developing Java Programs Using NetBeans 23  1.12 Developing Java Programs Using Eclipse	13/08/2018	18/08/2018	

SI	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
70	Module 03	STCESA DJ2EE 301	<p><b>2. Elementary Programming</b></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	

SI	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
71	Module 03	STCESA DJ2EE 301	<p><b>3. Selections</b></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><b>4.Mathematical Functions, Characters, and Strings</b></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	

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73	Module 03	STCESA DJ2EE 301	<p><b>5. Loops</b></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><b>6. Loops</b></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><b>7.Methods</b></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	

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76	Module 03	STCESA DJ2EE 302	<p><b>Single-Dimensional Arrays</b></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><b>Multidimensional Arrays</b></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	

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78	Module 03	STCESA DJ2EE 303	<b>10. Objects and Classes</b> 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	<b>11. Objects and Classes</b> 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	

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80	Module 03	STCESA DJ2EE 303	<p><b>12. Object-Oriented Thinking</b></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><b>13. Object-Oriented Thinking</b></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	<b>14. Inheritance and Polymorphism</b> 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	<b>15. Exception Handling and Text I/O</b> 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	<b>16.Exception Handling and Text I/O</b> 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	<b>17. Abstract Classes and Interfaces</b> 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	<b>18. Binary I/O</b> 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	

SI	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
87	Module 03	STCESA DJ2EE 304	<p><b>19. Recursion</b></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><b>20. Generics</b></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	

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
89	Module 03	STCESA DJ2EE 304	<p><b>21. Lists, Stacks, Queues, and Priority Queues</b></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><b>Contents xvii</b></p> <p>20.9 Queues and Priority Queues 783</p>	19/09/2018	23/09/2018	
90	Module 03	STCESA DJ2EE 305	<p><b>22. Sets and Maps</b></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><b>Developing Efficient Algorithms</b></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><b>Sorting</b></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><b>24.Implementing Lists, Stacks, Queues, and Priority Queues</b></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><b>24.Implementing Lists, Stacks, Queues, and Priority Queues</b></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	<b>Binary Search Trees</b> 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	<b>AVL Trees</b> 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	<b>Hashing</b> 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	<b>27 Hashing</b> 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	<b>Multithreading and Parallel Programming</b> 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	<b>Multithreading and Parallel Programming</b> 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	<b>Multithreading and Parallel</b> 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	<b>Overview on Java</b> Overview on Java	08/10/2018	11/10/2018	
103	Module 04	STCESA DJ2EE 401	<b>1. Introduce Visual Components for Graphical User Interface</b> 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	

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

Sl	Module	Competency Unit	Elements	Schedule Date	Actual Date	Done
11 1	Module 04	STCESA DJ2EE 403	<b>Demonstrate Knowledge on Basics for XML Document</b>  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		
11 2	Module 04	STCESA DJ2EE 403	<b>Demonstrate Knowledge on Basics for XML Document</b>  What a DTD is and how it is defined • What namespaces are and why you use them "	20/10/2018		
11 3	Module 04	STCESA DJ2EE 403	<b>Demonstrate Knowledge on Programming with XML Documents</b>  What the SAX and DOM APIs are and how they differ "	21/10/2018		
11 4	Module 04	STCESA DJ2EE 403	<b>Demonstrate Knowledge on Programming with XML Documents</b>  How you read documents using SAX "	22/10/2018		
11 5	Module 04	STCESA DJ2EE 403	<b>Creating and Modifying XML Documents</b>  What a Document Object Model is • How you create a DOM parser	23/10/2018		

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House 2/5A (3rd Fl), Road 5, Block A

Lalmatia Housing Estate, Lalmatia

Dhaka, 1207. Bangladesh

+88 02 9132568, +88 02 9132576



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