# ASSESSMENT POLICY

## Integrated M.C.A 8th Semester

060060802: Component based Web Application Development

## Assessment Policy

### Composition of CIE shall be (For Theory)

<table>
<thead>
<tr>
<th>Assessment Code</th>
<th>Assessment Type</th>
<th>Duration of each</th>
<th>Occurrence</th>
<th>Each of marks</th>
<th>Weightage in CIE of 40 marks</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>Quiz</td>
<td>1 hr.</td>
<td>1</td>
<td>20</td>
<td>5 x 1 = 5</td>
<td>Quiz 1: Covered Unit-1 and Unit-2 up to 2.2</td>
</tr>
<tr>
<td>A2</td>
<td>Unit Test</td>
<td>1.5 hrs.</td>
<td>2</td>
<td>30</td>
<td>6 x 2 = 12</td>
<td>UnitTest-1: After completion of Unit-1, 2 and Unit-3 up to 3.2.  UnitTest-2: After completion of subunit 3.3, 3.4, 3.5 and unit 4 and 5.</td>
</tr>
<tr>
<td>A3</td>
<td>Internal Examination</td>
<td>3 hrs.</td>
<td>1</td>
<td>60</td>
<td>16 x 1 = 16</td>
<td>Before completion of the term.</td>
</tr>
<tr>
<td>A4</td>
<td>Self Creation</td>
<td>3 months</td>
<td>1</td>
<td>30</td>
<td>7 x 1 = 7</td>
<td>Before completion of the term.</td>
</tr>
</tbody>
</table>

### Composition of CIE shall be (For Practical)

<table>
<thead>
<tr>
<th>Assessment Code</th>
<th>Assessment Type</th>
<th>Occurrence</th>
<th>Each of marks</th>
<th>Weightage in CIE of 20 marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A5</td>
<td>Project Presentation</td>
<td>2</td>
<td>50</td>
<td>4 x 2 = 8</td>
</tr>
<tr>
<td>A6</td>
<td>Internal Presentation</td>
<td>1</td>
<td>100</td>
<td>9 x 1 = 9</td>
</tr>
<tr>
<td>A7</td>
<td>Project Documentation</td>
<td>1</td>
<td>20</td>
<td>3 x 1 = 3</td>
</tr>
</tbody>
</table>
### Assessment Type Classification:

<table>
<thead>
<tr>
<th>Assessment Code</th>
<th>Weightage of Content</th>
<th>Unit</th>
<th>(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td></td>
<td>1</td>
<td>80</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2(upto 2.2)</td>
<td>20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Assessment Type</th>
<th>Tentative Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quiz 1</td>
<td>11/02/2019</td>
</tr>
</tbody>
</table>

#### Kind of Question Format:
Q.1. Scenario based MCQ. [10 out of 10] [10 X 01 = 10]
Q.2 Short answer question. [5 out of 5] [05 X 02 = 10]

**To measure**: Knowledge and analytical skill

#### Course Outcome:
CO1: Identify and describe the need of multi-tier architecture and component based application development.
CO2: Design and implement model, controller and view.

#### Program Outcome:
PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them.
PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification.
PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues along with strong project development skill.
PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.

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<thead>
<tr>
<th>Assessment Code</th>
<th>Weightage of Content</th>
<th>Unit</th>
<th>(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td></td>
<td>1</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3</td>
<td>40</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Assessment Type</th>
<th>Tentative Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit Test 1</td>
<td>19/02/2019</td>
</tr>
</tbody>
</table>

#### Kind of Question Format:
Q-1(A). Do as Directed. [All four question are compulsory, Marks will be 4 x 1 = 4 Marks]
Q-1(B). Answer the following brief. [Attempt any 3 questions out of 4, Marks will be 3 x 2 = 6 Marks]
Q-2. Answer the following (Analysis type and application based question will be asked). [(A)] Attempt any 1 questions out of 2, Marks will be 1 x 5 = 5 Marks
[(B)] Attempt any 1 questions out of 2, Marks will be 1 x 5 = 5 Marks
Q-3. Answer the following in detail. [Attempt any 2 questions out of 3, Marks will be 2 x 5 = 10 Marks]

**Total** = Q-1 + Q-2 + Q-3 = **30 Marks**

**To measure**: Knowledge, Application, Comprehension and Analysis

**Course Outcome**
CO1: Identify and describe the need of multi-tier architecture and component based application development.
CO2: Design and implement model, controller and view.
CO6: Deploy the web application.
**Program Outcome:**

PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them.

PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification.

PO4: Recognition of the need for and ability towards life-long learning.

PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues along with strong project development skill.

PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.

<table>
<thead>
<tr>
<th>Assessment Code</th>
<th>Weightage of Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>Unit (%)</td>
</tr>
<tr>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>5 up to 5.2</td>
</tr>
</tbody>
</table>

**Assessment Type:** Internal

**Tentative Date:** 19-03-2019

**Kind of Question Format:**

Q-1(A). Do as Directed.  
Q-1(B). Answer the following brief.  
Q-2. Answer the following (Analysis type and application based question will be asked).  
Q-3. Answer the following in detail.  

Total = Q-1 + Q-2 + Q-3 = 30 Marks

**To measure:** Knowledge, Application, Comprehension and Analysis

**Course Outcome:**

CO2: Design and implement model, controller and view.
CO3: Validate data of web forms using client-side and server-side techniques.
CO4: Implement advanced features of security, error tracing and error reporting.

**Program Outcome:**

PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them.

PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification.

PO3: Understanding of professional and ethical role and responsibility.

PO4: Recognition of the need for and ability towards life-long learning.

PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues along with strong project development skill.

PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.

<table>
<thead>
<tr>
<th>Assessment Code</th>
<th>Weightage of Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3</td>
<td>Unit (%)</td>
</tr>
<tr>
<td></td>
<td>1 to 6</td>
</tr>
</tbody>
</table>

**Assessment Type:** Internal

**Tentative Date:** 05/04/2018

**Kind of Question**

Paper contains two sections. First section is from unit 1, 2, 3 and second section is
Format: from unit 4, 5, 6.

Section : 1

Q-1(A). Do as Directed.
   [All four question are compulsory, Marks will be 4 x 1 = 4 Marks]

Q-1(B). Answer the following brief.
   [Attempt any 3 questions out of 4, Marks will be 3 x 2 = 6 Marks]

Q-2. Answer the following. (Analysis type and application based question will be asked).
   [(A)] Attempt any 1 questions out of 2, Marks will be 1 x 5 = 5 Marks
   [(B)] Attempt any 1 questions out of 2, Marks will be 1 x 5 = 5 Marks

Q-3. Answer the following in detail.
   [Attempt any 2 questions out of 3, Marks will be 2 x 5 = 10 Marks]

Section: 2

Q-4(A). Do as Directed.
   [All four question are compulsory, Marks will be 4 x 1 = 4 Marks]

Q-4(B). Answer the following brief.
   [Attempt any 3 questions out of 4, Marks will be 3 x 2 = 6 Marks]

Q-5. Answer the following. (Analysis type and application based question will be asked).
   [(A)] Attempt any 1 questions out of 2, Marks will be 1 x 5 = 5 Marks
   [(B)] Attempt any 1 questions out of 2, Marks will be 1 x 5 = 5 Marks

Q-6. Answer the following in detail.
   [Attempt any 2 questions out of 3, Marks will be 2 x 5 = 10 Marks]

Total = Q-1 + Q-2 + Q-3+ Q-4+ Q-5+ Q-6 = 10 + 10 + 10+ 10+ 10+ 10 = 60 Marks

To measure: Knowledge, Application, Comprehension, Evaluation and Analysis

Course Outcome:

CO1: Identify and describe the need of multi-tier architecture and component based application development.
CO2: Design and implement model, controller and view.
CO3: Validate data of web forms using client-side and server-side techniques.
CO4: Implement advanced features of security, error tracing and error reporting.
CO5: Determine need of internationalization and incorporate multiple language support in a web application.
CO6: Deploy the web application.

Program Outcome:

PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them.
PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification.
PO3: Understanding of professional and ethical role and responsibility.
PO4: Recognition of the need for and ability towards life-long learning.
PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues along with strong project development skill.
PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.

Assessment Code: A4

Weightage of Content

<table>
<thead>
<tr>
<th>Unit</th>
<th>(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 to 6</td>
<td>100</td>
</tr>
</tbody>
</table>

Assessment Type: Self Creation Parameter

Tentative Date: 18-04-2018
Kind of Question Format: | Parameter | Marks(50)
---|---|---
Presentation | 20
Demonstration | 15
Viva | 15

To measure: Knowledge and Application

Course Outcome:
- CO1: Identify and describe the need of multi-tier architecture and component based application development.
- CO2: Design and implement model, controller and view.
- CO3: Validate data of web forms using client-side and server-side techniques.
- CO4: Implement advanced features of security, error tracing and error reporting.
- CO5: Determine need of internationalization and incorporate multiple language support in a web application.
- CO6: Deploy the web application.

Program Outcome:
- PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them.
- PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification.
- PO3: Understanding of professional and ethical role and responsibility.
- PO4: Recognition of the need for and ability towards life-long learning.
- PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues along with strong project development skill.
- PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.
- PO7: An ability to communicate effectively with a range of audiences.

General Rule:
- The students shall individually give the presentation on the topic given by teacher.
- The evaluation shall be done on the basis of presentation, viva and demonstration of particular topic.
- Each student shall be given 15 minutes to represent the presentation topic following by 5 minutes of question answer session.
- Presentations must be given in English.
- Student shall use presentation slides to explain the seminar topics.
- Each slide must have title of the presentation along with slide number and date.
- No make-up work shall be accepted for missed or failed presentation.

Assessment Code : AS
Weightage of Content : 40 %
Assessment Type : Project Presentation-1
Tentative Date: 19/02/2019

Kind of Question Format: Questions based on Requirement Gathering, UML diagrams and Data Dictionary, presentation skill and Technical Knowledge & Demonstration of Students project(If created)

| Parameters | Marks(50) |
---|---|
Clarity regarding requirement and Functional and non-functional requirements | 10 |
UML Diagrams | 10 |
Data Dictionary | 10 |
Technical Knowledge and Viva | 15 |
<table>
<thead>
<tr>
<th><strong>Presentation Skills</strong></th>
<th>05</th>
</tr>
</thead>
</table>

**To measure:** Formative

**Outcome:**
- To verify, students have fulfill the requirements or not.
- To do assessment of presentation skill, system analysis skill and technical skill.
- To assess software testing related skills of student.
- To identify individual contribution and efforts made by a student for the project.
- For providing idea of what modification in current work or new thing student can do for betterment of the project for external presentation.

**Program Outcome:**

- PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them.
- PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification.
- PO4: Recognition of the need for and ability towards life-long learning.
- PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues along with strong project development skill.
- PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.

<table>
<thead>
<tr>
<th><strong>Assessment Code</strong></th>
<th>A5</th>
<th><strong>Weightage of Content:</strong></th>
<th>60 %</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Assessment Type</strong></td>
<td>Project Presentation-2</td>
<td><strong>Tentative Date:</strong> 19/03/2019</td>
<td></td>
</tr>
</tbody>
</table>

**Kind of Question Format:**
Changes incorporated of presentation-1. Questions based on Platform feature, security, Web Services, Web APIs presentation skill and Technical Knowledge & Demonstration of Students project.

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Marks(60)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incorporation of Suggestion given in 1st project presentation</td>
<td>10</td>
</tr>
<tr>
<td>Demonstration</td>
<td>20</td>
</tr>
<tr>
<td>Technical Knowledge and Viva</td>
<td>10</td>
</tr>
<tr>
<td>Testing</td>
<td>10</td>
</tr>
<tr>
<td>Presentation Skills</td>
<td>10</td>
</tr>
</tbody>
</table>

**To measure:** Formative

**Outcome:**
- To verify, students have fulfill the requirements or not.
- To do assessment of presentation skill, system analysis skill and technical skill.
- To assess software testing related skills of student.
- To identify individual contribution and efforts made by a student for the project.
- For providing idea of what modification in current work or new thing student can do for betterment of the project for external presentation.

**Program Outcome:**

- PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them.
- PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification.
- PO4: Recognition of the need for and ability towards life-long learning.
- PO5: Knowledge of programming languages, database systems, operating systems,
PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.

<table>
<thead>
<tr>
<th>Kind of Question Format:</th>
<th>Changes incorporated of presentation-1 and 2. Demonstration/Deployment of Students project.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parameters</td>
<td>Marks(100)</td>
</tr>
<tr>
<td>Clarity regarding requirement and Functional and non-functional requirements</td>
<td>20</td>
</tr>
<tr>
<td>UML Diagrams &amp; Data Dictionary</td>
<td>20</td>
</tr>
<tr>
<td>Designing</td>
<td>10</td>
</tr>
<tr>
<td>Technical Knowledge and Viva</td>
<td>30</td>
</tr>
<tr>
<td>Presentation Skills</td>
<td>20</td>
</tr>
</tbody>
</table>

To measure: Formative

Course Outcome:
CO1: Identify and describe the need of multi-tier architecture and component based application development.
CO2: Design and implement model, controller and view.
CO3: Validate data of web forms using client-side and server-side techniques.
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<table>
<thead>
<tr>
<th>Kind of Question Format:</th>
<th>Final Documentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>To measure:</td>
<td>Formative</td>
</tr>
</tbody>
</table>
| Course Outcome:         | CO1: Identify and describe the need of multi-tier architecture and component based application development.  
                          | CO2: Design and implement model, controller and view.  
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                          | PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues along with strong project development skill.  
                          | PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development. |

**UFM policy:**

- If two or more documents or SRS reports are too similar for coincidence, a penalty shall be imposed that shall usually be the same for the student who did the original as for the one copying from it.

- Any ascertained fact of breaking institute policy shall be associated with one or all of the following: (i) zero marks for the work; (ii) report to the Course coordinator; (iii) report to the Director.