|  |  |
| --- | --- |
|  | American International University-Bangladesh  Faculty of Science and Technology  Department of Computer Science  CSC 4118 Computer Graphics |

|  |  |  |  |
| --- | --- | --- | --- |
| **Final Term Project Evaluation** | **Semester:** Fall 2024-2025 | **CO Assessed:** CO4 and CO5 | **Total Marks:** |
|  | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Project Name: A Journey Through the Seasonal Changes of Bangladesh Across Rural and Urban Areas using OpenGL.** | | | | |
| **Student Name: SHAMS PAHLOWAN SOAD** | | **ID: 22-49342-3** | **Section: [B]** | **Group No: 04** |
| **Obtained Marks:** | **Part-A** | **Part-B** | **Part-C** | **Total** |
|  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CO4: Creates** interactive computer graphics programs using OpenGL. | | | | |
| **Assessment Attribute/Criteria** | **Missing/Incorrect (0)** | **Inadequate  (1-2)** | **Satisfactory (3-4)** | **Excellent (5)** |
| **Requirement fulfilment** | Unable to demonstrate a real-life scenario-based project with no functional requirement identification for the Computer Graphics project development activities. | Demonstrate a basic real-life scenario-based project with minimal functional requirement identification for the Computer Graphics project development activities. | Demonstrate an adequate real-life scenario-based project with major functional requirement identification for the Computer Graphics project development activities. | Demonstrate an complete real-life scenario-based project with all the major functional requirement identification for the Computer Graphics project development activities. |
| **Validation** | Students are unable to ensure the ability to use any validation forms in the system while dealing with the data. | Students are able to ensure the ability to use basic validation forms in the system while dealing with the data. | Students are able to ensure the ability to use adequate validation forms in the system while dealing with the data. | Students are able to ensure the ability to use all major validation forms in the system while dealing with the data. |
| **Verification** | The students are unable to verify the system data and does not provide proper functional requirements regarding data flow. | The students are able to construct basic verification process of system data and provide a basic functional requirement regarding data flow. | The students are able to construct adequate verification process of system data and provide a proper functional requirement regarding data flow. | The students are able to construct a complete and accurate verification process of system data and provide a complete functional requirement regarding data flow. |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CO5 [PO-i-1]: Perform as an effective individual in multi-disciplinary settings in solving computer science and engineering problems.** | | | | |
| **Assessment Attribute/Criteria** | **Missing/ Incorrect (0)** | **Inadequate  (1-2)** | **Satisfactory (3-4)** | **Excellent (5)** |
| **Critical Thinking** | Recalls only functional or procedural knowledge of existing solutions | Explains the existing solutions and applies in multi-disciplinary case settings | Analyses and Evaluates  Conditional/Declarative knowledge with elements in multi-disciplinary settings | Understands the concepts very well and creates new knowledge in multi-disciplinary settings |
| **Focus on the Task (Self-directed)** | Never stays focused on the task and what needs to be done | Sometime stays focused on the task and what needs to be done | Most of the time stays focused on the task and what needs to be done | Consistently stays focused on the task and what needs to be done |
| **Reflection** | Rarely acknowledges feedback and doesn’t apply strategies for making improvements | Acknowledges feedback but doesn’t apply strategies for making improvements | Acknowledges feedback and applies strategies for making improvements | Acknowledges and analyze feedback and applies effective strategies for making improvements |
| **Quality of the Work** | Provides work that is not up to any quality standard and expectations. | Provides work that usually needs to be checked/redone by others to ensure quality | Provide high quality work. Some small errors that do not interfere with the meaning | Provides work of the highest quality. Work is checked and corrected for mistakes, and shows high level of effort |

**Evaluations:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name: SHAMS PAHLOWAN SOAD** | **ID: 22-49342-3** | **Section: [B]** | **SL. 38** | **Group No. 4** |

**Part: A – OBE**

|  |  |  |
| --- | --- | --- |
| **CO4: Creates** interactive computer graphics programs using OpenGL. | | |
| **Requirement fulfilment (5 marks)** |  | **Total Marks** |
| **Validation (5 marks)** |  |  |
| **Verification (5 marks)** |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name: SHAMS PAHLOWAN SOAD** | **ID: 22-49342-3** | **Section: [B]** | **SL. 37** | **Group No. 4** |

|  |  |  |
| --- | --- | --- |
| **CO5 [PO-i-1]: Perform as an effective individual in multi-disciplinary settings in solving computer science and engineering problems.** | | |
| **Critical Thinking (5 marks)** |  | **Total Marks** |
| **Focus on the Task [Self-directed] (5 marks)** |  |  |
| **Reflection (5 marks)** |  |
| **Quality of the Work(5 marks)** |  |

**Part: B – Implementation**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Design (10 marks)** | **Unsatisfactory (2.5)** | **Satisfactory (5)** | **Good (7.5)** | **Very Good (10)** | **Obtained Marks** |
|  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Animation (10 marks)** | **Total Number of Animations Implemented** | **Obtained Marks** |
|  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Mouse and Keyboard Interaction (10 marks)** | **No. of Mouse Interaction** | **No. of Keyboard Interaction** | **Obtained Marks** |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Scene Transition (5 marks)** | **Change of events in individual scenario** | **Obtained Marks** |
| * **Yes** * **No** |  |

**Part: C – Viva and Report**

|  |  |
| --- | --- |
| **Viva (20 marks)** | **Obtained Marks** |
|  |

|  |  |
| --- | --- |
| **Report (10 marks)** | **Obtained Marks** |
|  |