**CPCS 498-499 Milestones Form**

**Semester: Year: 2023**

**Group ID:33 Project Title: academic department management system**

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| S# | Members Name | ID Number |
| 1 | Reena Ayesh Almahyawi | 2006114 |
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**Methodology:**

Waterfall methodology

**Brief Description/stages/Reference:**

Brief description:

Waterfall methodology is a linear or sequential model which divides the process of software engineering into separate phases with the output from one phase serving as the input for a next phase.

Stages:

1. Project Description and Literature Review .
2. Requirement and system analysis.
3. System design.
4. System development and unit testing.
5. Integration and system testing.

Reference:

David C. King, McGraw Hill, Object-Oriented Software Engineering: An agile unified Methodology, Edition 2014. ISBN: 0073376257-978

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| Term | Week# | Milestone# | Milestone Description |
| 498 | 8 | 1 | **Project Description and Literature Review**  General background about how academic department management system works and what features that the system provides. besides understanding what problems that CS academic department face to propose an efficient solution. Identify what project objectives and what scope it will cover. And presenting the literature review and related works. |
| 11 | 2 | **Requirements and System Analysis**  Conducting a comprehensive requirements and system analysis that meets the project needs by gathering, documenting, and analyzing information that define the system's functionalities and design, identifying the project functional and non-functional requirements. |
| 14 | 3 | **Design:**  Create the overall system architecture, software components, data flow, and user interface design with detailed specifications and design documents. Then, final report documentation. |
| 499 | 8 | 4 | **System Development and Unit Testing:**  Code and construct of the software system based on the specifications and design decisions made during the earlier phases. Then test individual units of code to ensure they function correctly and meet the expected behavior. |
| 11 | 5 | **Integration and System Testing:**  Assess the system against all requirements and test its performance on data targeted at potential users and compare the results against the expected results. Identify any discrepancies and take corrective action then test the system again to ensure that the issues have been resolved. |
| 14 | 6 | **Final Report Documentation** |

**Milestones:**

**Supervisor Name:Amani jamal** **Signature:** .A.J **Date**