|  |  |  |  |
| --- | --- | --- | --- |
| **Phase #** | **Group Project Phase** | **Submission** | **Score** |
|  | Formation of groups and problem definition | A one page document from the group leader uploaded to the relevant dropbox on eCentennial. The word file should contain the group name, student number and student name of each member, group leader name, and a precise/brief problem description. | 10 points |
|  | Problem analysis, fact finding, business rules understanding, identifying users, and determining users’ data requirements. | “Data Requirements Document” uploaded to the relevant dropbox on eCentennial by the group leader. | 20 points |
|  | Conceptual database design i.e., develop ERDs, derive table design from the ER diagram, identify constrains, and define other necessary meta data | “Database Design Document 1” uploaded to the relevant dropbox on eCentennial by the group leader. | 40 points |
|  | Normalize tables to 3NF, choose a DBMS, and develop physical database design. | “Database Design Document 2” uploaded to the relevant dropbox on eCentennial by the group leader. | 20 points |
|  | Implement the designed database schema, populate tables, design/implement required queries, reports and forms | “Final Project Report” uploaded to the relevant dropbox on eCentennial by the group leader. | 30 points |
|  | Oral presentation of Project work | Project work presentations during lab classes. | 30 points |