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| TE Comp Roll number: |
| **Assignment 1** Date of Submission: |
| Course outcomes: On successful completion of course, learner will be able to:  **CSC502.1Understand the fundamentals of a database systems**  **CSC502.2. Design and draw ER and EER diagram for the real-life problem**. |
| **Rubrics for assessment of Assignment 1:**   |  |  |  |  | | --- | --- | --- | --- | | **Indicator** | Excellent | Good | Average | | **Timeline**  **(3)** | submitted on time or early (3) | Submitted in same week (2) | Submitted in next week (1) | | **Understands the Problem(3)** | Identifies special factors that influences the approach before starting the problem | Understands the problem | Understands enough to solve part of the problem or to get part of the solution | | **Applies Appropriate Symbols to draw ER and EER Diagram (4)** | Explains how the Symbols are appropriate in ER and EER Diagram | Applies completely proper Symbols to draw ER and EER Diagram (2) | Applies some appropriate Symbols of ER to draw ER (1) | | **Timeline**  **(3)** | **Understands the Problem(3)** | **Applies Appropriate Symbols (4)** | **Total (10)** | |  |  |  |  | |
| **Teacher's Sign :** |

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| TE Comp Roll number : |
| **Assignment 2** Date of Submission : |
| **Course outcomes: On successful completion of course learner will be able to:**  **CSC502.3. Convert conceptual model to relational model and formulate relational algebra queries.**  **CSC502.4. Design and querying database using SQL.** |
| **Rubrics for assessment of Assignment 2:**   |  |  |  |  | | --- | --- | --- | --- | | **Indicator** | Excellent | Good | Average | | **Timeline**  **(2)** | submitted on time or early (2) | Submitted in same week (1) | Submitted in next week (0) | | **Understands the Relational algebra(4)** | Explains why procedures are appropriate for relational algebra(4) | Applies Appropriate Relational algebraic symbols for all queries (3) | Applies Appropriate Relational algebraic symbols <50% (2) | | **Applies Appropriate SQL (4)** | Explains why procedures are appropriate for SQL(4) | Applies Appropriate SQL (3) | Applies some appropriate SQL (2) | | **Timeline**  **(2)** | **Understands the Problem(3)** | **Applies Appropriate Procedures(4)** | **Total (10)** | |  |  |  |  | |
| **Teacher's Sign :** |

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| TE Comp Roll number : |
| **Assignment 3** Date of Submission : |
| **Course outcomes: On successful completion of course learner will be able to:**  CPC502.5: Analyze and apply concepts of normalization to relational database design. |
| **Rubrics for assessment of Assignment 3:**   |  |  |  |  | | --- | --- | --- | --- | | **Indicator** | Excellent | Good | Average | | **Timeline**  **(2)** | submitted on time or early (2) | Submitted in same week (1) | Submitted in next week (0) | | **Understands the Normalization types (4)** | Explains why Understands the Normalization types (4) | Understands the all types Normalization (3) | Understands some form of Normalization types < 50% (2) | | **Applies Appropriate Normalization (4)** | Explains why Normalization appropriate for given problem(4) | Applies Normalization appropriate for given problem (3) | Applies some part of Normalization appropriate for given problem (2) | | **Timeline**  **(2)** | **Understands the Normalization types (4))** | **Applies Appropriate Normalization (4)** | **Total (10)** | |  |  |  |  | |
| **Teacher's Sign :** |

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| TE Comp Roll number : |
| **Mini project** Date of Submission : |
| **Course outcomes: On successful completion of course learner will be able to: ALL CO**  CPC502.1,2,3,4,5,6- All |
| **Rubrics for assessment of Mini project:**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Indicator** | ***Poor*** | ***Average*** | ***Good*** | ***Excellent*** | | ***Timeline(3)*** | More than two sessions late (0) | Two sessions late (1) | One session late (2) | Early or on time (3) | | ***Implementation of client server Architecture (3)*** | No (0) | 2-T Architecture (1) | 3-T Architecture(2) | 3-T Architecture  With validation and verification  (3) | | ***Implementation of advanced SQL(4)*** | Nested queries and Complex queries (1) | Nested queries and Complex queries, with Views(2) | Nested queries and Complex queries, with Views and Triggers(3) | Views and Triggers, Functions , cursor and procedure(4) | |
| **Teacher's Sign :** |