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| **G. H. Raisoni College of Engineering, Nagpur** **(An Autonomous Institute)**  **Department ofComputer Science and Engineering**  **Session 2019-20(Odd)**  **DBMS Practical List** |
| **Subject Name: DATA BASE MANAGEMENT SYSTEM(BCSP208/BCSP303)** |
| **Year/Semester: III/V Semester, CSE,Section-A/B/C/D** |

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| **Sr. No** | **Name of Experiment** | **CO Mapping** |
| 1 | Project Understanding, Identification of Key Performance Indicators, Identification of Modules and Sub-modules,Broad Overview of Architectural flow. | CO1 |
| 2 | Project ER modeling. Use case diagram, Activity Diagram and Sequence Diagram, | CO2 |
| 3 | Project Table Identifications:Table Names, Table Attributes, Primary Keys, Foreign Keys, Integrity Constraints, Data Types, Referencing  Project Schema Creations:Formal joining of identified tables and checking of constraints | CO3 |
| 4 | Data Entry:Data Entry on to Tables, Alteration of table structure of alteration of scheme based on requirement.Data validation against use cases and test cases | CO3 |
| 5 | Exercise 1.Data retrieval from the designed database. e.g. SELECT, Nested Queries | CO3 |
| 6 | Exercise 2. Data retrieval from the designed database. e.g. JOINS | CO3 |
| 7 | Exercise 3.Search conditions, Summary queries, Sub- queries | CO3 |
| 8 | Exercise 4.Database updates and data integrity | CO5 |
| 9 | Exercise 5.Transaction processing and Views | CO5 |
| 10 | Exercise 6.Triggers & stored procedures in Database | CO4 |
| 11 | Open Ended Practical with NoSQL | CO6 |

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