**Name of the Teacher**: Kirti/Shaina **Subject – Database Management System**  **Class:** M.com IT (III Sem)

**Lesson Plan**

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| **S No** | **Period** | **Topics to be Covered** | **Academic Activity to be Organized** |
|  | **17-31 July 2017** | Introduction To DBMS: Purpose of Database system, Characteristics of database approach , Advantages of using DBMS,. | **Oral Presentations/ Take Assignment** |
|  | **01-31 Aug 2017** | Database Languages , Database Users ,Entity sets attributes,Relationships (ER) , Database modeling using entity , Type role and structural constraints , | **Oral Presentations** |
|  | **01-30 Sept 2017** | keys , Weak and Strong entity types ,Enhanced entity-relationship(EER), Entity-Relationship Diagram Design of an E-R Database schema. Hierarchical models - basic concepts, Tree structure, Tree-structure Diagrams,Virtual records Network model - basic concepts | **Oral Presentations/Written Test/ Take Assignment** |
|  | **01-31 Oct 2017** | Relational model -basic concepts , Enforcing Data Integrity Constraints Relational-Algebra Operations,Extended Relational Algebra Operations Relational Calculus, | **Oral Presentations/ Group Discussion/Sessional Test** |
|  | **01-13 Nov 2017** | Codd's Rules and Revision of Full syllabus | **Oral Presentations** |

**Topics of Assignments/ Class Tests to be given to the Students:**

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| **Assignment 1** | Database concept and architecture ,Data Abstraction ,Instances and schema. Data independence , |
| **Assignment 2** | The IMS Database system,Mapping networks to files ,DBTG CODASYL model . |
| **Class Test** | Test 1-(Unit –I )  Test 2-(Unit –II & III) |