ST. JOSEPH'S EVENING COLLEGE (AUTONOMOUS)

DEPARTMENT OF COMPUTER APPLICATIONS
TEACHING LESSON PLAN FOR DATABASE MANAGEMENT SYSTEMS

BCA 3rd Semester (June, 2018 to September, 2018)

Objective of the subject: To help students understand the concept of database management systems

Name of the Faculty: Mrs. Amalraj

Time/Hours required – 60 hrs

Sl. No.	Module and Topics	No. of Hours.	Teaching methods	Evaluation of Learning process
Unit I	**INTRODUCTION OF Database** Database management systems Role of database administrators Advantages of using dbms Role of database designers	**6** 1 2 2 1	Lecture/ACTIVITY	Exercise problems and Assignment problems
UNIT-2	**DBMS ARCHITECTURE** Data models Schemas Instances Dbms architecture Three schema architecture	**6** 1 1 1 1 1 1	Lecture/ACTIVITY	Exercise problems and Assignment problem
UNIT3 /	**E-R RELATIONSHIP MODELLING** Entity types Attributes and keys Relationship Weak entity types Drawing E-R diagrams	**6** 1 2 1 1 1 **12**	Lecture/ACTIVITY	Exercise problems and Assignment problems

UNIT-4	**RELATIONAL DATABASE MODELS** Integrity constraints Referential integrity constraints Relational algebra Normalization concepts First,second,third	 **1** **1** **2** **4** **4**	Lecture/ACTIVITY	Exercise problems and Assignment problems
UNIT-5	**SQL** query subquery corelated sub query views locks,granting of locks database security issues granting/revoking privileges	**16** **2** **4** **3** **3** **4**	Lecture/ACTIVITY	Exercise problems and Assignment problems