ST.JOSEPH’S COLLEGE FOR WOMEN (AUTONOMOUS), VISAKHAPATNAM

IVSEMESTER **COMPUTER SCIENCE**  TIME:2HRS/WEEK

COM 4353 (2) **DATA BASE MANAGEMENT SYSTEMS LAB** MAX.MARKS:50

20-21 admitted batch-“20AH” **SYLLABUS**

**OBJECTIVES:**

To enable the students to:

* Describe the basics of SQL and construct queries using SQL.
* Know query languages associated with relational models

**COURSE OOUTCOMES:**

After Completion of this course the student would be able to:

* Design and implement a database schema for a given problem.
* Design queries using SQL.
* Apply PL/SQL for processing database.

1. Create tables department and employee with required constraints.

2. Initially only the few columns (essential) are to be added. Add the remaining columns separately by using appropriate SQL command.

3. Basic column should not be null

4. Add constraint that basic should not be less than 5000.

5. Calculate hra, da, gross and net by using PL/SQL program

6. The percentage of hra and da are to be stored separately.

7. When the da becomes more than 100%, a message has to be generated and with user permission da has to be merged with basic.

8. Emp no should be unique and has to be generated automatically.

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