

## **LAB-3: TO PREPARE ENTITY RELATIONSHIP DIAGRAM FOR A PROJECT**

### **TITLE: ENTITY RELATIONSHIP DIAGRAM FOR E-LEARNING MANAGEMENT SYSTEM**

#### **THEORY:**

##### **Introduction**

An Entity Relationship (ER) Diagram is a type of flowchart that illustrates how “entities” such as people, objects or concepts relate to each other within a system. ER Diagrams are most often used to design or debug relational databases in the fields of software engineering, business information systems, education and research. Also known as ERDs or ER Models, they use a defined set of symbols such as rectangles, diamonds, ovals and connecting lines to depict the interconnectedness of entities, relationships and their attributes.

ER Diagrams are composed of entities, relationships and attributes.

(Explain entities, relationship and attributes in details with example and finally draw complete ER-diagram for E-learning management system)