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| TE-computer Roll number : |
| Experiment no. : 1 Date of Implementation : |
| Related Course outcome : At the end of the course, Students will be able to design EER model and develop relational model |
| **Rubrics for assessment of Experiment:**   |  |  |  |  | | --- | --- | --- | --- | | Indicator | Poor | Average | Good | | Timeliness   * Maintains assignment deadline (3) | Assignment not done (0) | One or More than One week late (1-2) | Maintains deadline (3) | | Completeness and neatness   * Complete all parts of ER diagram(3) | N/A | < 80% complete (1-2) | 100% complete (3) | | Originality   * Extent of plagiarism(2) | Copied it from someone else(0) | At least few questions have been done without copying(1) | Assignment has been solved completely without copying (2) | | Knowledge   * In depth knowledge of the assignment(2) | Unable to answer 2 questions(0) | Unable to answer 1 question (1) | Able to answer 2 questions (2) | |
| **Assessment Marks :**   |  |  | | --- | --- | | Timeliness |  | | Completeness and neatness |  | | Originality |  | | Knowledge |  | | Total |  | |
| **Total : (Out of 10)** |
| **Teacher's Sign :** |
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| **Name Student** |  | **Roll No.** |  |
| **Lab Experiment No.** |  | **Date** |  |
| **Expt. Title** | Problem Definition and draw ER /EER diagram | | |

**Aim** : Problem Definition and draw ER /EER diagram

**Objective of the Experiment:**

1. Defining problem statement.

**Theory : (Sample Problem statement-Advertising agency)**

An “Advertisingagency” is a service business dedicated to creating, planning, and handling advertising for its“clients or customers” Here clients are “companies” and that companies produce “products”. This product needs print or television or Internet ads in order to increase their sales in the market. An Advertising agency independent from the client and provides an outside point of view to the effort of selling the client’s products or services. An agency can also handle overall marketing and branding strategies and sales promotions for its clients. Inside Advertising agency mainly three departments are there. They are

1. CUSTOMER RELATIONSHIP DEPARTMENT

This department takes the orders from clients in order to give ads on their products.

1. FINANCE DEPARTMENT

“ Finance department ” deals with the finance matters between clients and Advertising agency just like how much money client paid at initial time and what is the balance amount and what is the last date to pay balance etc..

1. CREATIVE DEPARTMENT

Creative department is a department where “employees” creates the actual ads from the core of an advertising agency. Creative department frequently work with “productionstudios” to develop and implement their ideas.

In Ad agency large number of “employees” exists. For example (i) Creative, drawing artists & copy writers work in creative department. (ii) Account manager handles finance department. (iii) .Branch manager handle ad branch etc. for these employees “dependents” may also exists.

**Sample E-R diagram:-**

Buys

Product

Company\_Client

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| **Description of Problem Statement:-** |
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| **E-R diagram for the Problem to be implemented.** |
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| **Post Lab Assignment:** |
| 1. Describe various symbols used in E-R Diagram |

List of topics for ER diagram

1. Facebook system
2. Stock exchange syst
3. Wikipedia
4. Youtube
5. Traffic monitoring system
6. Dmart
7. Amazon
8. Twitter
9. Instagram
10. Olx.com
11. Hike
12. Whatsapp
13. Flipcart
14. Yahoo
15. Google search
16. Bio research
17. Bookmyshow
18. Election system- targeting the voters
19. Inventory management system
20. Library management system
21. College information management system
22. Banking system
23. Hospital management system
24. Airline reservation system
25. Railway reservation system
26. Ticket booking system
27. Hotel reservation system
28. Ola.
29. Other topics after the discussion and approval of subject teacher