Task-1.1 1 29lon/25 1. TER Diagram for a mobile phone purchase and Billing management system that maintains details of customers Aim: To design and entity relationship (FR) Diagram for a mobile phone purchase and Billing management system that maintains details of custamers, mobiles Pur chases, billing and login credentials for adminstrative Purpose Algorithm: step-1:- start step-2:- Identify the main entities · custamers · mobile · Bill · login step-30- Identify the Attributes for each entity customer: cust ID, cust name , city phone no Amount mobile: Phone ID, Mobile name, mobile Price Bill: Bill, cust Name, Price login: Admin ID, Passward (Pw) step-4: Identify Relationship between Entitites customer: Purchase mobile: - A customer can

Purchases one or mobiles

customer-Pay Bill: - customer Pays and receives a

Bill-gives-login: A bill is given by a login admin account

login - maintains - customer/mobile: Admin maintains customer and mobile data

step-5:- Determine coordinaty

- · customer to mobile: many-to-many
- · customer to bill: one-to-one or one-to-many
- · login to bill: one-to-many
- · login to mobile/customer: one-to-many

Step-6: Draw the ER Diagram Rectangles = Entitites

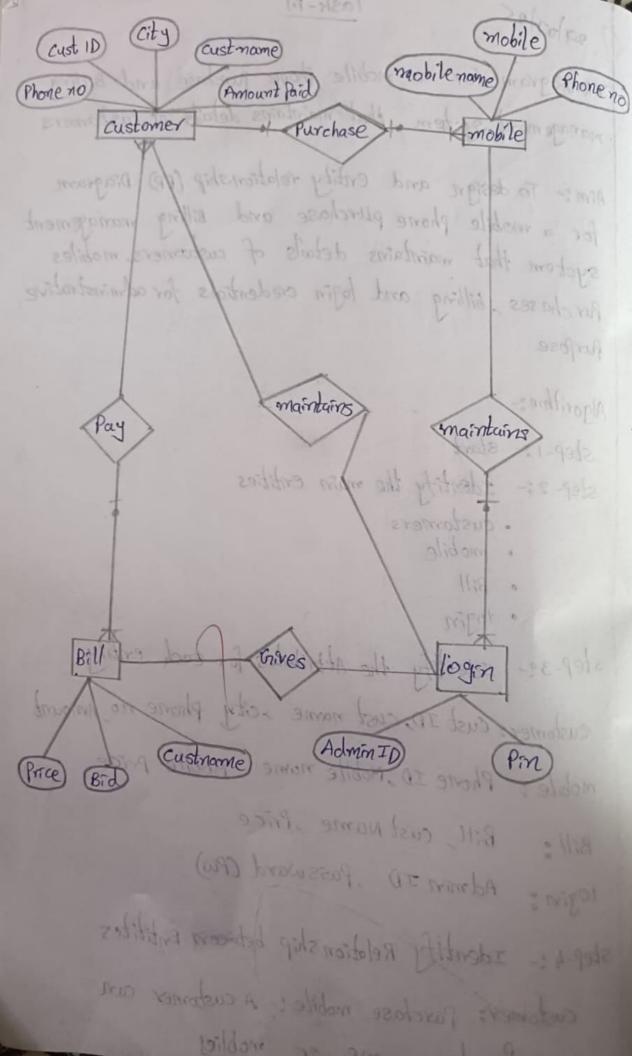
Ellipses = Attributes

Diamonds = Relationship

lines = tomections

symbol = coordinaties

Result: Thus the design an entity. Relationship diagram for a mobile phono purchase and billing management is successfully completed



Tastr1.2: convert ER Diagram into Relationship model

Aime To convert an ER diagram into a relation ship model for a mobile phone purchase database management system

steps for converting the ER Diagram to table

-> Entity type becomes a table

- -> All single valued attribute becomes a column for the table
- > A key Attribute of the entity type represented by the Primary key
- -> The multivalued attributed is represented by a separate table
- > composite attribute represented by components
- FR diagram to tables and columns and assign the mapping.

Primary key C Foreign key C Mobile Name Phone ID > Mobile fr cust-Name customer

VEL TECH	-1
EX NO.	
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	_5_
VIVA VOCE (5)	D
RECORD (5)	
TOTAL (20)	10
SIGN WITH DATE	1
	70

Result: Thus the conversion of an ER Diagram 9/1/2 into in Relationship model for a mobile phone motor in Relationship model for a mobile phone furchase database management system was drawn successfully