



BHARATIYA VIDYA BHAVAN'S
SARDAR PATEL INSTITUTE OF TECHNOLOGY

Munshi nagar, Andheri (W) ,Mumbai - 400058
DEPARTMENT OF MASTER OF COMPUTER APPLICATION

CLASS: F.Y. MCA

SEM: I

COURSE CODE: MC504

SUBJECT NAME: DATABASE MANAGEMENT SYSTEM LAB

ROLL NO. : 2022510034

BATCH: B

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EXPERIMENT NO: 02

EXPERIMENT TITLE: Mapping of ER model to Relational Model Assignment (Schema Diagram)

Aim :- Railway Management Schema diagram

Theory :-

A schema diagram or a class diagram in DBMS is a type of diagram and part of a unified modeling language (UML) that defines and provides the overview and structure of a system in terms of entities and attributes, relations and the relationships between different entities.

In this diagram, **entities** as well as **relations** are displayed in the form of a container where entities have **attributes** in their container whereas relations have the **primary keys of the entities** participating in that relations.

Entities and relations are connected to each other via a **single/double directed line**.

Schema Diagrams can show **multiple entities having multiple relationships** with each other.

Here, entities are :- **Passenger, Ticket, Payment, Train, Train Status**.

and relations are :- **has, issues, makes**

Schema Diagram :-

