# SAL COLLEGE OF ENGINEERING
## POSTER PRESENTATION 2025
### ER MODELS FOR TCS

## Abstract

The ER model of TCS represents the organization's data structure, including Company, Department, Employee, Project, and Client. It defines how these entities are related to manage employees, projects, and clients efficiently, ensuring

## Objective

To organize TCS data efficiently and reduce redundancy.
To track employees, projects, and clients accurately.
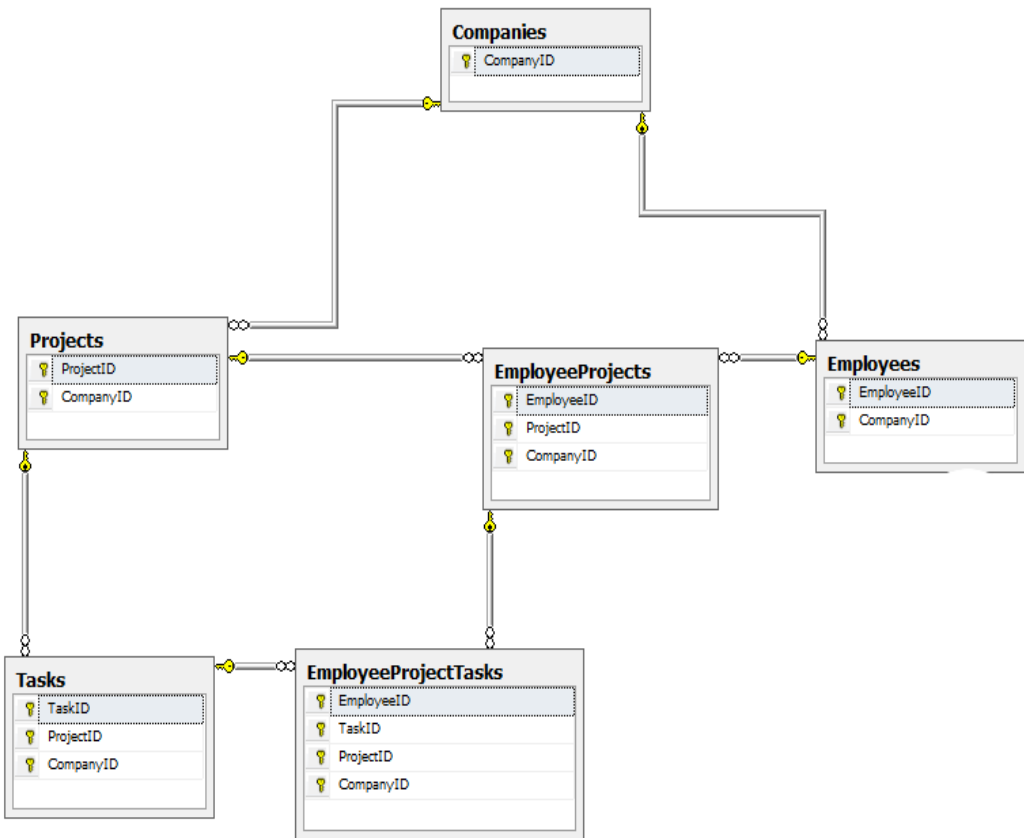To reduce redundancy and maintain data accuracy.

## Introduction

The TCS ER model represents the relationships between Company, Department, Employee, Project, and Client. It helps organize data efficiently and ensures accurate information management.

## Technology

Use DBMS and ER modeling tools to organize company data.
Identify entities, their attributes, and relationships.
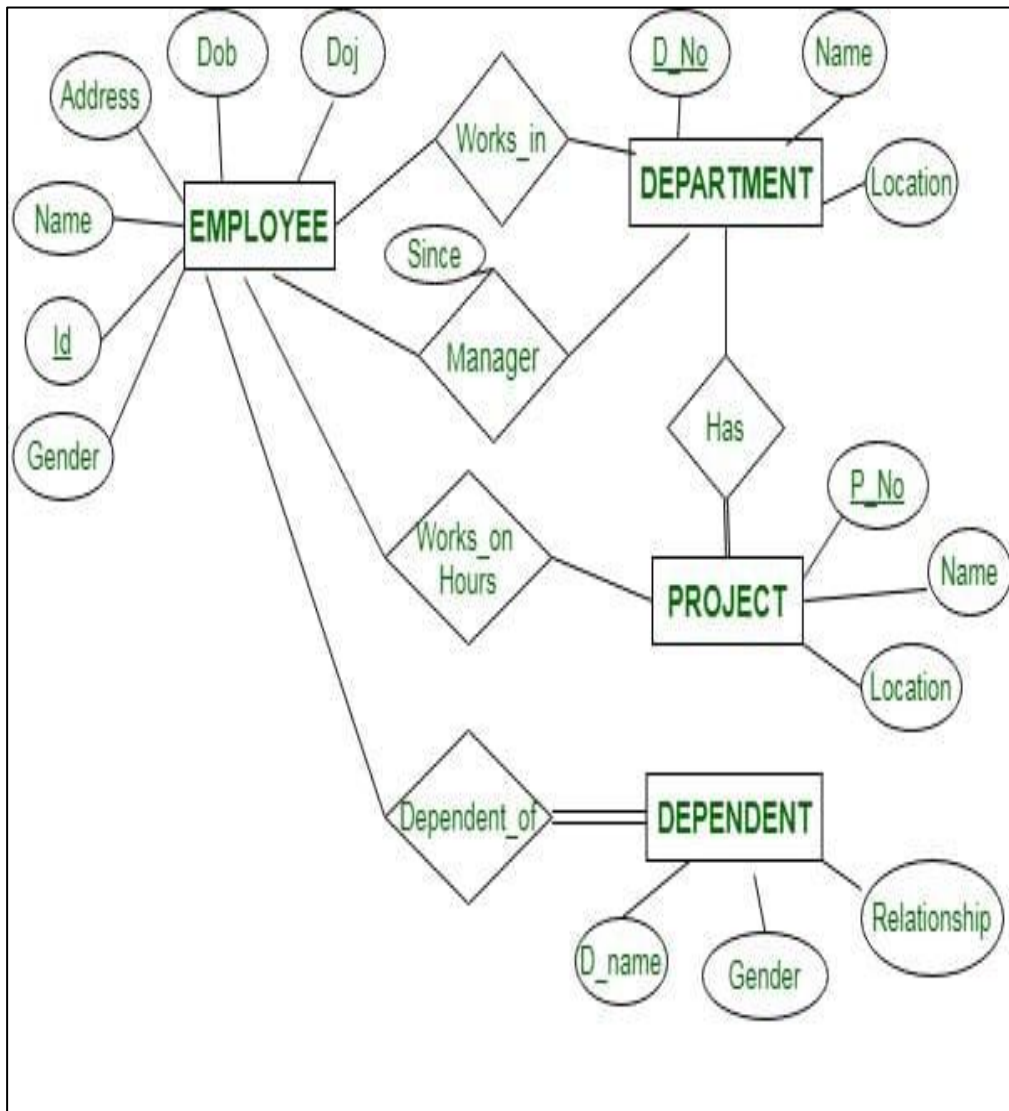Determine keys and cardinality, then create the ER diagram.

## Flow Chart



## Prototype



## Results

Provides a clear structure of TCS data, including Company, Department, Employee, Project, and Client.

## Conclusion

The TCS ER model organizes company data efficiently, reduces redundancy, and ensures accurate information. It supports better resource management, project tracking, and decision-making.

## Future Scope

The TCS ER model can be expanded to include Payroll, Attendance, and Performance.

## References

1.https://www.geeksforgeeks.org/entity-relationship-model-in-dbms/
2. https://www.tutorialspoint.com/dbms/dbms_er_model.htm

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