

Project Management System

A relational database is to be design for a small scale Company dealing with manufacturing applications of computers. The Company delivers various products to its customers, ranging from a single application program through to complete installation of hardware with customized software. The Company employs various experys including hardware engineer, consultants and supporting staff. all personnel are employed on long-term basis, i.e. there is no short-term or temporary staff.

Although the Company is somehow structured for administrative purposes (that is, it is divided into departments headed by department managers) all projects are carried out in an inter-disciplinary way. For each project a project team is selected, grouping employees from different department, and a Project Manager (also an employee of the Company) is appointed who is entirely and exclusively responsible for the control of the project, quite independently of the Company's heirarchy.

The following is a brief statement of some facts and policies adopted by the Company.

- Each employee works in some department.
- An employee may possess multiple skills.
- Every manager (including the MD) is an employee
- A department may participate in none/one/many projects.
- At least one department participates in a project.
- An employee may work in none/one/may projects.
- Project teams consist of at least one member and at most 15 members.