

DBMS Lab Assignment 1:

ER Diagram

Design the ER diagram to represent e-governance data for a village panchayat. The final goal is to build a Gram Panchayat Management System. GPMS is an online based application that can be accessed throughout the internet. This System may be used for monitoring gram panchayat activities both by citizens and members.

The data primarily consists of the following component:

- ✓ 1. Citizen taxes
- ✓ 2. Incomes
- ✓ 3. Expenditures
- ✓ 4. Asset management
- ✓ 5. Citizen centric services like various certificates (residential, birth etc)
- ✓ 6. Agricultural data
- ✓ 7. Environmental data
- ✓ 8. Panchayat committee members with roles
- ✓ 9. Census data
10. Various welfare schemes of government

Deliverable: ER Diagram as a PDF File

Time: 1 week.

Instructions for connecting to Database servers and a basic tutorial on SQL will be provided in lab.