**Problem Statement**

Online surveys are a great way to collect and store information. They offer the convenience of compiling data to organize events, derive conclusions, or support decision-making. An online survey is a method of data collection that uses various types of questions to gather information.

Surveys can be created for multiple purposes, such as:

- Selecting a place to visit for a group

- Understanding employee opinions

- Measuring and improving customer experience

**Project Objective**

Develop an application for creating and conducting online surveys. The system must support the following core features:

**Key Features**

**User Roles**

Divide users into three types of roles:

1. **Survey Builder** – Responsible for creating and managing surveys.

2. **Surveyor** – End-user who answers the survey.

3. **Survey Administrator** – Oversees user roles and manages overall survey settings.

**User Authentication and Authorization**

- Implement user **identification** for each of the roles.

- Ensure **authorization** so that only relevant interfaces and actions are accessible based on the user's role.

- The **Survey Administrator** will configure whether surveyor responses are **identified or anonymous**.

**Survey Creation Interface (Survey Builder)**

- Provide a form to input:

    o **Question Statement**

    o **Answer Options**

- Allow selection of question types:

    o **Multiple Choice**

    o **True/False**

**Survey Participation Interface (Surveyor)**

- Develop an interface that:

    o Displays available surveys

    o Allows users to answer questions in the survey

**Survey Results Analysis Interface**

- Create an interface to view and analyze survey results.

- Support data visualization and result interpretation.

**Deliverables**

- Application with:

    o Role-based login system

    o Interfaces tailored to each user role

    o Survey creation and participation modules

    o Data storage and analysis capabilities