

IT 314 SEngg Case studies

Winter, 2018

Group 3 (Case Study 1 to 4)

Group 4 (Case Study 5 to 8)

1. Emergency Help Service

Design a system which provides help to people in the case of emergency such as natural calamities, accidents, women safety, etc. The device is configured with GPS and GSM modules in such a way that person in need can get the help. Give the provision in the system such that in case of emergency the person in the user's contact list will get the automatic message regarding the emergency. Each team can design a system for different services i.e. emergency situations.

2. Farmer Subsidy System

Design a system which provides subsidy to the farmers based on previous grew crop, land area, soil details, etc. Farmer can request subsidy for water facility, to buy crop, to maintain farm, etc. System should also give information about various kind of subsidies based on season and location. This system is used by the government to encourage farmers by giving subsidy.

3. Farm Management System

Design a system which helps the farmer to get more profitable trades. Here farmer, merchant and customer needs to register in the system. Farmer enters land details. Farmer can get the information about which crops to grow in next season based on weather and previous season crop data. Farmer can sell crop by finding appropriate merchant or customer. Merchant or customer can put request for crop or can buy crop from farmer. System should provide information to grow crops for beginner in farming field step by step.

4. Professional Finder System

Create a system to find professional for different tasks like carpentry, plumbing, cooking, tiffin service provider, electrician etc with quotation according to type of work. User can book professional according to their date and time and professional also agrees with so. There will be two different users of system, end user who wants to have service and the another one which provides service. Service provider will get automatic notification as when the related service is requested. System also consist of rating module through which users can write reviews and comments for services.

5. Portal for Advertising Company

Design a system which helps user for publishing ads with minimal human interaction. System consists of designing, publishing and payment related modules. Which allows user to create and publish advertisement on different media such as TV, radio, newspaper, internet etc. In case of internet advertisement user can get the statistics [location, visit count] of published ads. System also suggests user where to advertise so that it can get maximum advantage.

6. Online Consultancy for Foreign Education

Design a system to provide required facility to the student for foreign education. Student can prepare for exam through the system. Student can get information regarding various universities. Student can contact other students who are willing to go in same university. They can find accomodation around university. System provides support for documentation required for admission.

7. Prison Management System

Design a system which helps in management of prison functionalities such as prison administration system. Maintain details of information of each prisoner. System should help in scheduling work for each prisoner, sleeping time, lunch time, meeting with Superintendent etc. Give the clear idea about security of the prison. In case of any problem or issue respective person should be informed.

8. Auction Management System

Design a system which connects people which hold precious historic or unique products and person who want to buy it. Product holder can fill the details regarding thing and also see which person is interested in it. Based on interested people, auction will be initiated by product holder at specific time, date and location. Interested people can bid for the particular things. System also consist of payment module from which final product can be purchased.