

System Analysis and Design Methods

CourseWork – Group Work

Case Study

Television Broadcasting System (**Mero Tv, Cable Distributor**)

Everest Television is 3 year old television channel that provides various programs ranging from News, Documentary, Sponsored Programs, Educational Programs, and Entertainment Programs etc.

Some Details

The television channel broadcasts its programs (subscription based, on yearly basis) to the Cable Distributors. The channel provides all the programs based on subscription.

Current Subscription System

Cable Distributors(**television Broadcasting System**) request for Transmission of Program by filling the Transmission Request Form. The form is processed within a Week. Once the request is valid, a Testing Frequency is given to the Cable Distribution. The Testing Frequency will be available for a month. If the cable distributor is satisfied with the service, they pay the subscription fee (for at least a year). The payment must be done in advance and must be renewed every year.

1 month floating period will be given to cable distributors to renew their subscription

The channel, now would like to go worldwide. To achieve this interactive channel portal need to be developed. Since, the channel is looking forward for popularity; it wants a promotional home page ready within a month, while other facilities need to be completed within next 5 months.

Once this is ready even home based customers can directly subscribe to channel for selected programs separately.

The Individual Viewer would like to be able to:

- V1. Check the Program Schedule
- V2. Able to Register
- V3. Subscribe to Selected Program/Channel.

The Accounting Officer would like to be able to:

- A1 Record subscription payments
- A2 Send out payment reminders automatically

The Channel Operating Officer would like to be able to:

- C1 Add/Remove/Update Programs (Audio, Video, Text)
- C2 Provide Test Frequency to Cable/Individual;
- C3 Approve or Reject Viewing requests;
- C4 Allow members to make Payment over the internet
- C5 Must be able to Share to Social Media

The Manager would like to be able to:

- M1 Total subscriber
- M2 Monthly Collection (Payment Reports)
- M3 Frequency Load Report/Area Wise

System Requirements for (Mero Tv, Cable Distributor)

The system should be web based. The site must be launched within 1 month so that advertising can be done.

The total system should be delivered within 6 months.

The system should be integrated to handle Payments using Credit Cards

The system should be available 24x7.

The requirements are dependent on each other; hence it needs to be determined as feasible.

Based on the Case Study Above

1. Prepare System Requirement Specification Document(**SRS Documents for Mero Tv, Cable Distributor**) to identify various types of requirements [25 Marks]
2. Prepare Design Document (**Mero Tv, Cable Distributor**) to Reflect Architecture, Process, Database and User Interface Design [45 Marks]
3. Suggest how you would carry out Deployment(**Mero Tv, Cable Distributor**) and proper rationale [15 Marks]
4. Overall (**Mero Tv, Cable Distributor**) Presentation and Contribution [15 Marks]

End of Course Work