CLUBS AND SOCIETIES

MINOR PROJECT SYNOPSIS

BACHELOR OF TECHNOLOGY

Information Technology

JUNE 2023

SUBMITTED BY :

PAYAL RAWAT – 2004967

NAVDEEP KAUR – 2004960

ARMAAN SINGH – 2004893

KANHAIYA KUMAR VERMA – 2104589

GURU NANAK DEV ENGINEERING COLLEGE

LUDHIANA _ 141006 , INDIA

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1. Introduction

It is a platform for the clubs and societies including sports department present in our college.It will basically provide a live notification system that will notify students about the upcoming events and the previous events held in the particular club. In this website , it will also include an **information storage system** that allows access through a website.It will help to maintain the record of the club's activities and other data records . It's main purpose is to enhance the user's experience. A database is an important component of any web application or website because it provides a central location for storing user information and some other details. It allows you to store complex data structures with minimal efforts . It means that you have a web page that grabs information from a database (the web page is connected to the database by programming) and inserts the information into the web page each time it is loaded. Website content is the most important tool you can use to achieve a very good communication with your users . The content of a website includes the text ,live notification system , images and speech recognition system that user will experience on our website.

Web Development – Web design and development can help you generate long-term user relationship because it provides a platform to connect with the user. Without a good website , you will not be able to generate the long term relationships with your customers that you want. The architecture is the digital structure in which developers can place various design elements , including text , photos , charts and links .

2. Objectives

1. To design an interface for clubs and societies co-curricular activities.

2. To provide the information about enrolment of students from various departments.

3. To generate the report about number of students registered for the event , date of the event , winners of the event and number of students attended that particular event .

3. Feasibility Study

It is a user-friendly web based application. Databases let us work with large amount of data efficiently . It make updating data easy and reliable and it will help to ensure accuracy . It will offer security features to control access to information and they help to avoid redundancy which will saves space and allows to work better and faster ultimately increasing overall productivity. Using a database to manage records can save you time and money . It will automate routine tasks and speed up the processing of data . It can leave you with more time to focus on growing your clubs and societies. It will grant multiple users concurrent access to a single database .By using an database based web application , there will be less updating errors . It will improve data access using host and query languages. Backup and recovery are two main methods which allows users to protect the data from damage or loss.

The **future scope** of the project is it can further be updated with AI tools like An assistant and a chatbot which will perform automated tasks.

Speech Recognition is the process of converting human speech into written form . Speech recognition software has a wide vocabulary and is used in variety of industries .

Chatbot – The AI language model ChatGPT has captured the world's attention in recent months . The trained computer chatbot can generates text , answer questions , provide translations and learn based on the user's feedback . It will give employees, time to focus on more important tasks and prevents customers from waiting to receive responses . It will provide proactive customer interaction .

4. Methodology / Planning of Work

In this chapter , Author creates prototypes that capture systems requirements and that become the basis for the physical design of the system being developed. The homepage will show student all events happening in the campus in a position to attract student to click on each event poster to know more about certain events. Students are more attracting to see images rather than reading numerous words; this homepage helps to promote events. Clubs and societies module will sort available clubs and societies in the college, therefore it is easier for students to know and join any clubs that fit their interest. At the same time, this module provides links that connect to the club's social media profiles to find out more about previous club activities. It will provide the students about the latest information and achievement on any club activities to get positive review from the students. Students can give feedback by posting their comments on this module. Students can register on their new club. Admin will add their details in the clubs & societies module thus attract new members to join the new established clubs. It will provide students function to request to conduct any events by filling important details of their proposed events and have to wait for approval from club incharge and HOD. Once approved, admin will send confirmation email to the respective requester. All approved events will be uploaded in homepage. During the phase of development, author start to develop system after analyse the data and information needed by using software and database is connected to Gmail and hardware such laptop and local host. The outcomes of this project design have been finalized and system success builds .

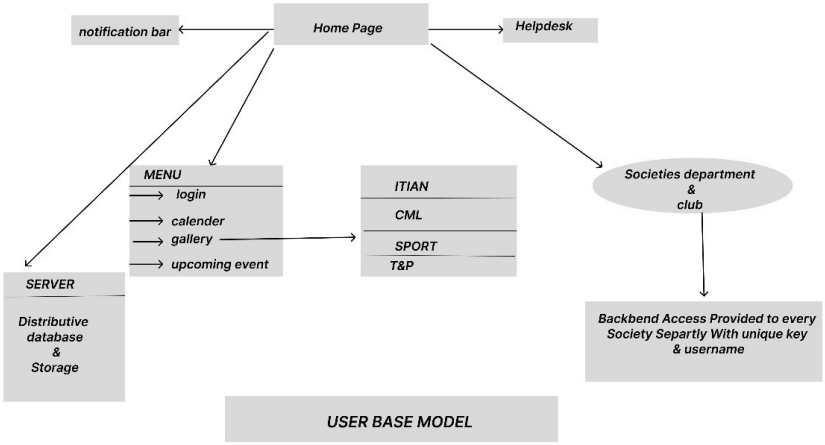

Fig 4.1 User base Model

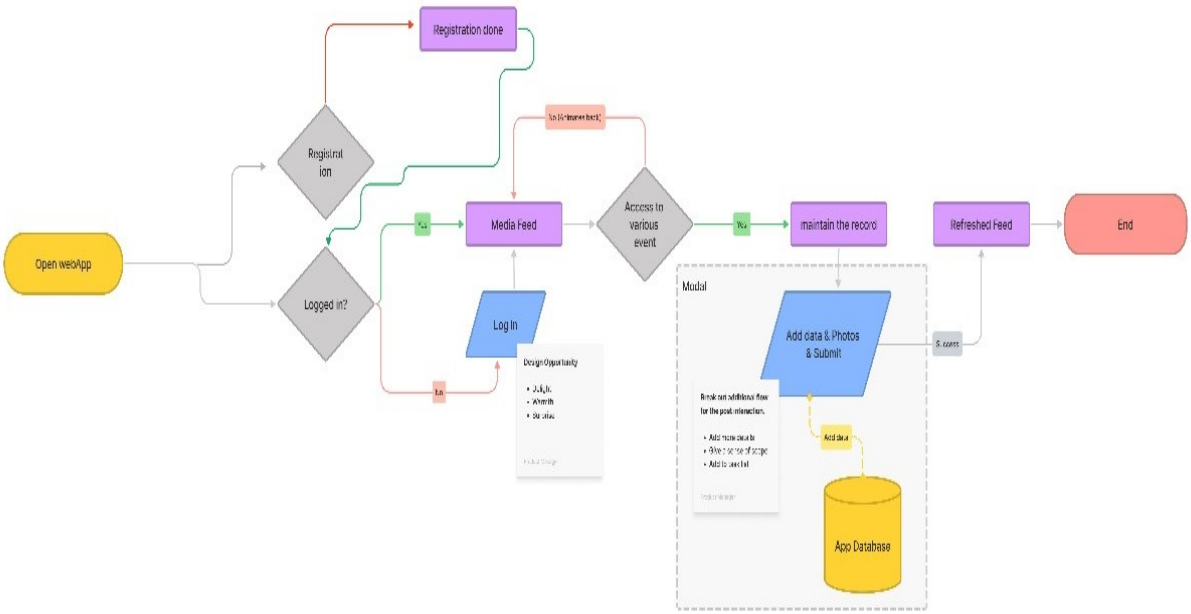

Fig 4.2 Dataflow Diagram

5. Facilities Required for Proposed Work

The programming languages or web development modules which will used in the project are HTML / HTML5, CSS , javascript , react and SQL etc. In this hardware requirements includes minimum 4 GB RAM , i5 processor 10^{th} generation , 15GB - 20GB storage to run the project smoothly. In this software requirements includes MEAN (collection of javascript based technologies) , MongoDB , VS Code with required extensions. It will require external hosting to stores and maintains website files and applications on a server to make its user's websites accessible on the internet.

6. References

https://code.visualstudio.com/download

https://www.mongodb.com/

https://www.mysql.com/downloads/

https://www.figma.com/downloads/