Budget Management System

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Abstract:
Budget Management System is the most challenging aspect to any business. Budgeting is the process of creating a plan to spend your money. This spending plan is called a budget. Creating this spending plan allows you to determine in advance whether you will have enough money to do the things you need to do or would like to do. It will be a web application for providing an effective way of providing incoming and outgoing budget of different departments of the college. This system will also be used to provide financial report of the department.

Keywords: Budget, budget commitment, budget execution, budget item.

I. INTRODUCTION

Budgeting is the process of creating a plan to spend your money. This spending plan is called a budget. Creating this spending plan allows you to determine in advance whether you will have enough money to do the things you need to do or would like to do. Without a budget management system, it is basically impossible to keep track of your money, provide accurate forecasts and reach your financial goals. Budget Management process is one of the important and crucial processes in every organization. Every organization has to manage its annual budget for performing different activities throughout the financial year. By considering this need we are going to implement a web based application to facilitate the activities of budget management It is a web application related to budget management of college. The budget requirements are associated with each activity defined within the academic year. It will be a web application for providing an effective way of providing incoming and outgoing budget of different departments of the college. This system will also be used to provide financial report of the department.

II. EXISTING SYSTEM

There is no such System is available in the college. College manages the Budget Management work as paper documentation.

Modules to be implemented

The proposed system has to be divided into two parts
A) Admin
B) End User

A) Admin
Admin part will be developed into web based technologies like HTML, CSS, PHP and will consist of following modules-
1) Budget allocation
In this module facility will be provided for inserting and managing the details of the events to be conducted and the budget to be allocated.

2) Security
In this module login facility will be provided to the admin. Only authorized person can access this admin panel.

3) User Management
In this module facility will be provided to check the number of registered user and to manage them.

4) Reports
In this module facility will be provided to create the different types of reports.

B) End User
The second part of the project will be useful for the people who are having the authority of spending the amount allocated in budget plan of an event.

1) Registration
In this module facility will be provided to perform registration activity of end user.

2) Expenses
In this module facility will be provided to insert and maintain the expenses done for performing the different activities of an event.

III. WORKING

1. Login Form

![Login Form](image-url)
IV. DATA FLOW DIAGRAM

In an Information system, the flow of the data around the system is graphically represented by the data flow diagram. A graphical tool used to describe and analyze the moment of data through a system manual or automated including the process, stores of the data and delays in the system. Data flow diagram the central tool and the basis from which other components are developed. DFDs are the model of the proposed system. They clearly show the requirements on which the new system should be built. Later during the design activity this is taken as the basis for drawing the system’s Structure charts. The various components of DFDs are:

**Dataflow**
Data movement from the source to destination is shown by the arrows.

**Process**
The various activities and the actions performed on the data is represented through circle..

**Entities:**
External sources or information of the data is represented by rectangle.

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**1. Zero Level Data Flow Diagram:**

![Image of Data Flow Diagram](image1)

**2. Budget Form**

![Image of Budget Form](image2)

**3. Entity**

![Image of Entity](image3)

**Figure 2. b): Budget form**

**USE CASE DIAGRAM:**

To model a system the most important aspect is to capture the dynamic behavior. To clarify a bit in details, dynamic behavior means the behavior of the system when it is running operating. So only static behavior is not sufficient to model a system rather dynamic behavior is more important than static behavior. In UML there are five diagrams available to model dynamic nature and use case diagram is one of them. Now as we have to discuss that the use case diagram is dynamic in nature there should be some internal or external factors for making the interaction. These internal and external agents are known as actors. So use case diagrams are consists of actors, use cases and their relationships. The diagram is used to model the system/ subsystem of an application. A single use case diagram captures a particular functionality of a system. So to model the entire system numbers of use case diagrams are used. The purpose of use case diagram is to capture the dynamic aspect of a system. But this definition is too generic to describe the purpose. Because other four diagrams activity, sequence. So we will look into some specific purpose which will distinguish it from other four diagrams.

**The purposes of use case diagrams can be as follows:**

- Used to gather requirements of a system.
- Used to get an outside view of a system.
- Identify external and internal factors influencing the system.
- Show the interacting among the requirements are actors.
V. SCOPE:

So far we are confident that we have done this web application successfully, but we have a plan to make this application more efficient, so we think about some features that can be added for future development, ideas are followings-

• We will try to make Mobile version of our project so that everybody can manage their personal financial account using mobile.
• The software will be improved further with enhanced functionality so that people of all languages can use it.

VI. CONCLUSION:

Have details of the budgetary requirements for each project and each area of the company, is a useful tool for predicting the direction of the company. With the budget information the different areas, both technical and administrative, may control the distribution of resources. In addition, when registering the strategic plan in the system, users are able to assess compliance of each budget strategic objectives defined for each strategy and each of the projects, phases and/or activity. The information required by both the administration, board, shareholders and control bodies can be obtained from accurate and timely manner largely avoiding the establishment of values according to personal criteria of the different areas because there was no information detailed by project and budget requirements.

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