

System Requirement Specification

DDF Management System

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Chapter 1

Introduction

1.1 Purpose

The purpose of this document is to present a detailed description of the Department Development Fund Management System. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, and the constraints under which it must operate. It handles a variety of aspects such as a budget request from a user, a history of the transactions, and a review by the committee and the HOD. The aim is to develop a software system that will manage the funds allocated to a department in an efficient and convenient manner. This document is intended to serve as a guide to the developers and the client.

1.2 Scope

We describe what features are in the scope of the software and what is not in the scope of the software to be developed.

In Scope

- Login of users on the portal.
- User requests for the fund on the portal.
- Reviewing the request for a fund.
- Tracks expenditure and monitors budget balances on the portal.
- User can track the status of the request on the portal.
- sends the approved request fund to the user. (i.e Admin)
- handling approve/disapprove requests of users.
- sends notifications related to funding requests of users. (i.e committee, HOD).

Out of Scope



- software cannot give notifications to the user/committee/HOD.
- user(Faculty) cannot give the remainder to committee/HOD.

1.3 Definitions, Acronyms, and Abbreviations

Acronyms and Abbreviations

- SRS: Software Requirements Specification.
- PF: Personal Fund.
- DDF: Department Development Fund.

Definitions:

- Transactions: An event that involves the flow of department funds.
- Net-Balance: The sum total of all the money of the department.
- PF: Fund requested by the user for personal use.

1.4 Overview

The next chapter, The overall description section, of this document gives an overview of the product perspective, user characteristics, Assumptions, and Constraints. Section 3 gives specific requirements that the software is expected to deliver. Functional requirements, Design constraints, few Performance requirements are given in this section. Section 4 shows a few possible extensions of the software with section 5 shows a few user screens.



Chapter 2

Overall Description

2.1 Product Perspective

This system allows the user to raise the fund request and track the status, gives the detailed transaction history of the funds, and allows users to access public transactions. The software system provides a user-friendly interface for tracking budget proposals and reliable software. Also allows users to express their feedback. It is not dependent on any other software and works on any browser.

2.2 Product Functions

DDF Supports the following use cases.

2.2.1 use cases of faculty

Class of use case	Description of use case
Authorization	enter login details enter the password
Profile	user can view profile user can change password
Fund Request	user can raise the request
Public Fund Request	user can create a public fund request from DDF
PF Request	user can create a PF request from DDF
Dashboard	faculty can view his pending fund requests
Inbox	faculty can view their request history



upload	user need to upload image of product if needed for requesting the fund
Public Transactions	user can see all the public transactions made by all users
view details	user can track the request

2.2.2 use cases of committee

Class of use case	Description of use case
Authorization	enter login details enter the password
Profile	committee can view profile committee can change password
Dashboard	committee can view the fund request of faculty
Inbox	committee can view their decision history
All Transactions	committee can view the overall transactions
Add Budget	committee can add budget to DDF

2.2.3 use cases of HOD

Class of use case	Description of use case
Authorization	enter login details enter the password
Profile	HOD can view profile HOD can change password
Dashboard	HOD can view the response from the committee regarding the user request with the remarks of it.



Inbox	history of committee decisions on faculty requests and add budget requests
All Transactions	HOD can view the overall transactions

2.2.4 User Characteristics

A user using the site should know how the DDF works.

- The faculty should thoroughly check the fund request details before submitting all the mandatory areas to be filled.
- The committee should have well-known knowledge about the Department's Fund management.
- Committee and HOD should thoroughly check their dashboard.

2.2.5 Principal Actors

The Principal actors in DDF are Faculty, Committee, and HOD.

2.2.6 General Constraints

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2.2.7 Assumptions and Dependencies

- Committee, HOD approval is needed for fund sanction.