



Faculty Research and Consultancy Web App

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ABSTRACT

The Faculty Research and Consultancy Web Application is a sophisticated and user-friendly online platform designed to streamline and enhance the research and consultancy processes within academic institutions. This application serves as a centralized hub for faculty members to manage their research projects and consulting services efficiently, promoting collaboration, knowledge sharing, and transparency.

Keywords-faculty, main In-charger, Faculty data

1. Introduction

Faculty Research and Consultancy management system is designed for maintaining records of small as well as large sized workshops, journals, paper, seminar, etc. At the institute level, time issues are in a tough competitive environment. Especially when any committee comes to the collage to check academic excellence, at the time collage have to show all the record related to each and every activity performed by their staff such as a journal, published papers, conducted workshop, attended seminars etc. This is a web-based application. In this we are developing a system which is able to add and store all the detailed information about Research Paper, Published Journals with ease. And also, it helps to store the data securely. Thus, this application is aimed to design software to keep all the needed information in a suitable database and gives the fast and accurate information. In order to support future implementation of decision support system, the software is designed such that it will enable the user to easily analyze information. Also, we are giving facility to add each and every information related to workshop, Journal, papers, seminar, which means if it is a Research Paper then what is the type of paper, date of publication, rating of paper etc. If it is a journal then what is the type of journal, rating of journal, on which date it is published etc. If it is a workshop then place of conducted workshop, what type of workshop and many more fields. Also, we can add any new fields in the system if it is required.

2. Problem Statement

To overcome the problems faced by the institute to collect the data related to their staff's yearly work, it is intended to develop a Faculty Research and Consultancy Web Application. In this system design, a well-structure database which store all the needed information related to the FDP, Publication, seminar, workshop, journal and gives the user fast and accurate information in well define format like PDF and Excel sheet.

3. Objective

- To reduce the paper work of an organization.
- To provide security of an individual work done.
- To provide the accuracy of the work.
- Getting the report of work done within few clicks.
- To provide a count and record of the work submitted of an organization.
- To reduce manual work of an organization.

4. Methodology

a)Main Methodology

- Login: The Login Module is a portal module that allows users to type their user’s name and password to login. This module can be placed on any module tab to allow users to login to the system with security, Faculty Research and Consultancy Web Application.
- Data collection and storing: This module contains all the fields related to the Types, Date, Ratings, Publication, Author name etc. User have to fulfill all the data in this module related to their work.
- Report generation: This module is present at the admin side. In-charge can generate the report in any form that they want, it may be in Excel-sheet or in a PDF form. If In-charge wants particular staff’s data then they can simply generate the report for that particular person only. Same can be done to fetch particular department and also for particular field too.
- Communication: This module is present at both sides. If In-charge wants the information by the faculty members or department. After submitting the information by the user, the system will automatically send the mail or text to the in-charge.
- Dashboard: This module will display the total count of research paper and journals published; workshop conducted as per the department by faculty members.

b) Data Flow diagram

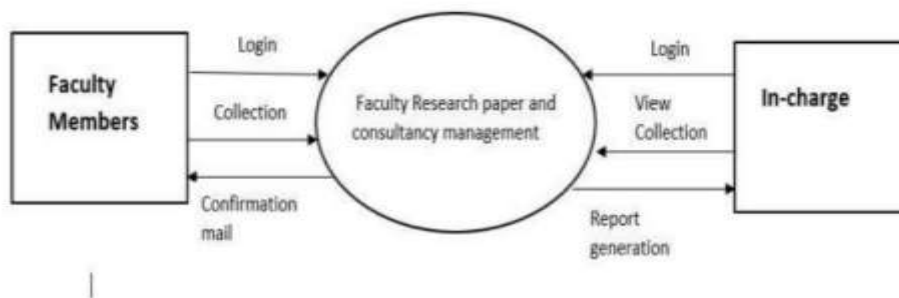


Fig.1.DataFlowDiagram

b) Use Case Diagram

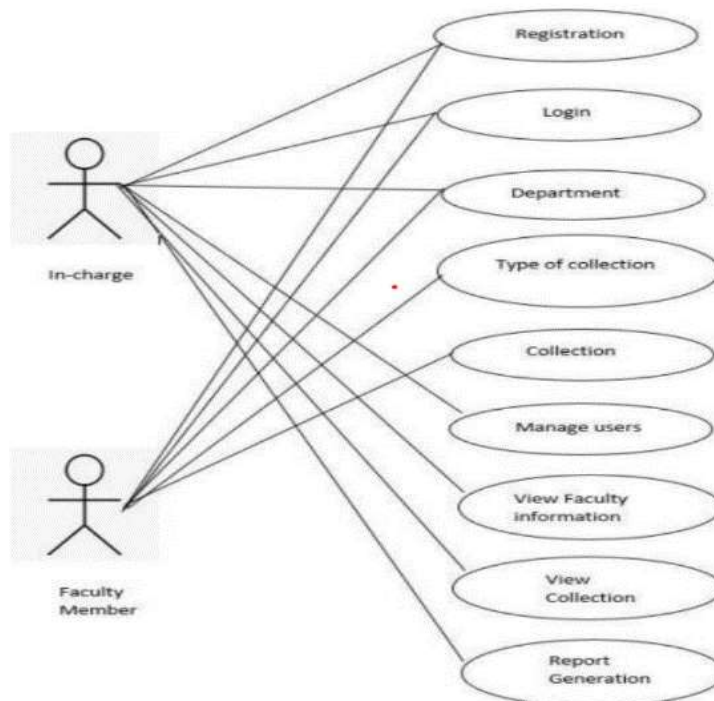


Fig.2.Use case Diagram

C) Sequential Diagram

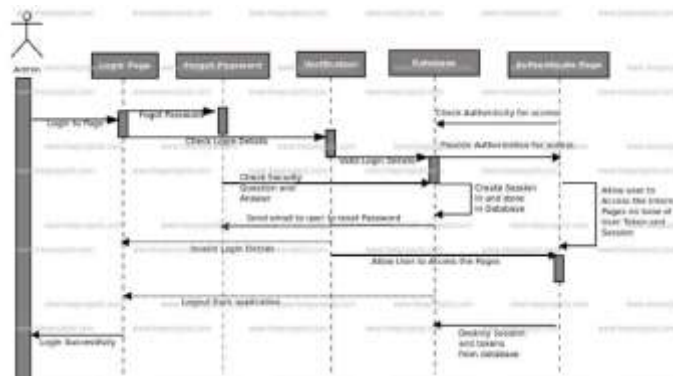


Fig.3.Sequential Diagram

d) Activity Diagram

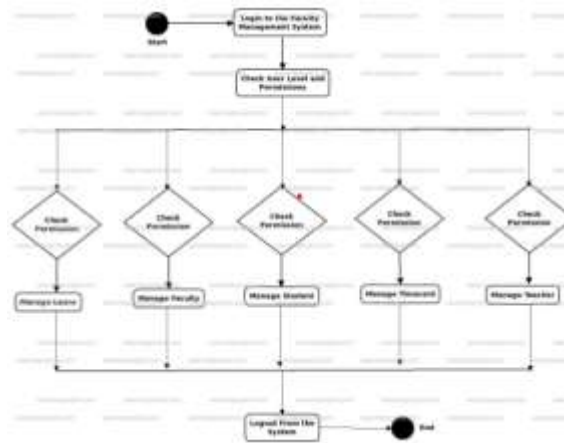
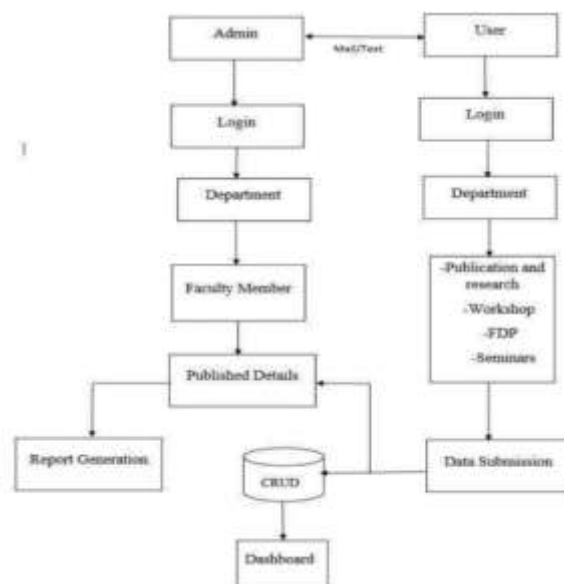


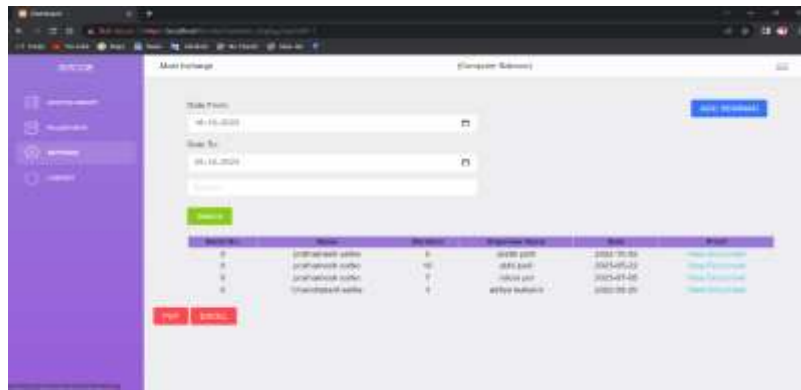
Fig.4.Activity Diagram

e) System Architecture Diagram



5. Result and Discussion

a) Main In charge



Sl No	Seminar	Status	Department	Date	Action
1	International seminar	Yes	IT/IT	2023-10-20	View Details
2	International seminar	No	IT/IT	2023-10-20	View Details
3	International seminar	No	IT/IT	2023-10-20	View Details

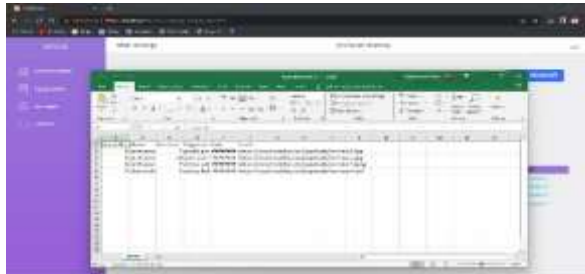
This is the page of Main in-charge of the system where main In-charge can see all the data related to the department. In-charge can filter the data in PDF and Excel format.

b) PDF



This the output page after selecting the format of pdf where all the data is in the form of Pdf.

c) Excel



Sl No	Seminar	Status	Department	Date	Action
1	International seminar	Yes	IT/IT	2023-10-20	View Details
2	International seminar	No	IT/IT	2023-10-20	View Details
3	International seminar	No	IT/IT	2023-10-20	View Details

This the output page after selecting the format of Excel sheet where all the data is in the form of Excel sheet.

c)Email



This is output page after submitting the seminar report were mail has been get on ousel

6. Future Scope

Further going we can host this website and use at a institute level or at school level. We can add more features for the setting and can work on security features. Can make simpler and user-friendly user interface. Can work on more graphical representable reports

7. Conclusion

Our Website for Appraisal System is designed for maintaining records of small as well as large sized workshops, Journals, papers, seminars etc. At the institute level, time issues are in a tough competitive environment. Especially when any committee comes to the collage to check academic excellence, at the time collage have to show all the records related to each and every activity performed by their staff such as Journal, published papers, conducted workshop, attended seminars etc.

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