SkillVine

An online platform for managing, evaluating & grading activity points

Team Members and Project Guide

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Introduction

- SkillVine is a web app to manage and track student activity points

- Features - uploading, storing, getting real-time data, notification system, points updation.

- Separate interfaces for students and teachers.

- Generate final activity point reports.

- Efficient, hassle-free, and organized.

Literature Survey

- ▶ Manual Method -
    1. Manual handling of activity points registers.
    2. Certificates kept as hard copies.
    3. Manual calculations.
    4. Reports are handmade.
    5. Overall time consuming and laborious series of tasks.

- ▶ Related systems -
    1. For eg. Student Academics Management Systems
    2. More generalized systems.
    3. It covers all academic related areas.

Literature Survey
The Manual Method

Procedure:

- ▶ Teacher collects certificates.

- ▶ Stored as hard copies in a folder.

- ▶ Records maintained of yearly activity points.

- ▶ Class advisor uploads certificates to university.

- ▶ Students verify entries during uploading to university.

Literature Survey

MANUAL SYSTEM	ACADEMICS MANAGEMENT SYSTEM
Certificate evaluation requires a significant amount of labor and workload.	Designed for a wider range of functions beyond activity points management.
Manual input and calculations. Prone to mistakes. No instant updation.	Points may not be updated instantly.
Manual segregation is tedious and labour intensive.	Limited flexibility for segregation of certificates by year, category, event.
Report generation requires additional steps procedures.	Report Generation system not included in most similar systems

Gap Analysis

Disadvantages of existing systems...

- ▶ Time consuming

- ▶ Prone to errors.

- ▶ Lack of real time data.

- ▶ Lack of organization

- ▶ Limited accessibility.

Gap Analysis

- Increased workload.

- Inconsistent validation.

- Difficulty in tracking.

- Lack of flexibility.

Proposed System

Description of proposed system...

Our system automates the whole process by:

- ▶ uploading and storing of certificates in online storage.
- ▶ auto classify certificates - year-wise, category-wise & event-wise.
- ▶ keeping students up to date with activity points.
- ▶ having a notification system for students & teachers.
- ▶ allowing teachers to mark those certificates.
- ▶ retrieves certificate mark as per University rules.
- ▶ giving an option to reject certificate with a remark.
- ▶ generating personalised reports for every student and batch.

Proposed System

Our system solves the problems by:

- ▶ Eliminates physical order, sort, find, validate & grade

- ▶ Updated activity points in real time.

- ▶ Reducing workload, paper-work involved in procedure.

- ▶ Can handle data of large number of certificates.

Requirement Analysis

Interview with teachers.

1. Are there problems with the current manual system?
2. Features you expect in an automated activity points management system?

▶ Outcomes:
1. Notification system for both students and teachers.
2. Report generation for every student & batch.
3. Adding remarks to each certificate, providing feedback.

Requirement Analysis

- ► Email Authentication.

- ► Dashboard for students & teachers.

- ► Certificates uploading & storage.

- ► Real-Time points updation.

- ► Certificate filtering, sorting, selection.

- ► Certificate marking, approving, grading for teachers.

- ► Notification system.

- ► Reporting system.

- ► Mobile responsiveness.

Requirement Analysis
Non Functional Requirements

- ▶ Performance - Light Design and fast performance for seamless UI/UX

- ▶ Security - Secure Login. Password Protection, User permissions.

- ▶ Maintainability - easy-to-maintain & readable code. Easy updation, bug fixing.

- ▶ Version Control & Documentation

- ▶ Browser Compatibility

Requirement Analysis

Non Functional Requirements

1. Hardware Requirements

   - A computer or laptop
   - RAM: 4 GB RAM or higher
   - Processor: Intel Core i3 or higher
   - A fast and reliable Internet connection
   - Printer (optional)

2. Software Requirements

   - Any Operating system that supports a modern day browser.

Our project's initial appearance...

Our project so far...

Thank You!