SRM Institute of Science and Technology Vadapalani Campus

Design and Innovation Club

**HACKFEST 2K23**

**Project Name: *AcadDesk***

**Team Name: *Gryfiindor***

**Project Abstract:**

* *In our project we have developed a clean student-teacher dashboard system which aims at managing students data (fees, results, announcements) in an efficient and safe manner.*
* *Students can use our dashboard system to track and monitor their late count, violation of rules co-curricular activities and extracurricular activities, in just a few clicks and minutes.*
* *Only, teacher can only be able to edit the student’s details such as their personal information, students will have no access to make any changes in the dashboard, this makes our application safe and simple.*
* *Our application also introduces the concept where students can view their tasks/homework which is given to them on a particular day.*
* *Graphical representation technology to keep a track of a student’s co-curricular activities and extracurricular activities, reducing the dependence over tabular data and providing a better mechanism to check the progress.*
* *Our project introduces the unique concept of calculating the number of leaves taken by a particular student in an entire semester, it also counts the late count as absent, which rules out the concept of late coming and proxies.*
* *If anyone violates the set of rules and regulations defined by the University, they will be penalized by using mechanism of foul cards (red, yellow) based on degree of violation.*

**Problem Statement:**

* *Our* ***AcadDesk*** *keeps a track of all activities of students, including all co-curricular and extracurricular activities, late count and attendance and individual progress of students.*
* *Our Project also works on solving the problem faced by various institutions in tracking the violation of rules and regulations performed by any student, this helps in penalizing the guilty and establishing a better system within university.*
* *Over the years, it has been very difficult to manage co-curricular and extra-curricular activities, with students participating in hackathons, cyberthons and various other sports activities. Our application has provided suitable mechanisms for it.*
* ***AcadDesk*** *introduces the unique concept of awarding students based on their progress reports which are formed based on proof of work shared by them, this boosts more students to take part in extra-curricular activities and represent college on a higher level.*

**How do you plan on solving this problem:**

* *With improved UI and a greater user experience we have introduced AcadDesk which is a student activity tracker, which helps university to keep a track of student’s progress and update it timely.*
* *Students in the past have often, considered the college rules and regulations, code of conduct lightly and has violated it quite a few times, without even being penalized in future.*
* *Our projects aim to keep track of rules violated by an individual and penalizing them based on the severity of violation/degree of violation.*
* *Over the years, it has been very difficult to manage co-curricular and extra-curricular activities, with students participating in hackathons, cyberthons and various other sports activities.*
* *Our application provides students with option to request access from the respective teacher and can post in their proof of work under given section.*
* *Provides with graphical representation of a student’s data, which makes the process of keeping track of progress easy without involving in complex tables.*
* *Students are awarded based on the proof of work which have been submitted by them over the course of a period, this provides motivation to other students to take part in various co-curricular and extra-curricular activities.*

**Existing Methods:**

* *SRM ERP portal is one of the existing projects which is a bit like that of ours, but both the platforms work in a different manner.*
* *As compared to the ERP portal we are providing with a better user interface, as well as user-friendly experience, with both platforms being used for different purposes, both will work at their respective positions.*
* *ERP portal, faces issue of crashing sometimes and takes long time in loading, this issue will be countered by us in our application.*
* *Our UI will be gripping which will engage users and they will feel comfortable while working over our application.*

**Technology Stack:**

***Programming Languages:***

* *HTML/CSS*
* *Java Script*

***Frameworks:***

* *React JS*
* *Next JS*
* *Tailwind CSS*
* *AntDesign*

***Database:***

* *Firebase*
* *Sanity*