

# Student's Progress Tracker

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## INTRODUCTION

In order to manage student records, attendance, accounting, admissions, etc. and keep track of the pertinent data, the majority of academic institutions still employ paper and manual processes.

A web-based school progress tracker will require less manual work since it makes use of centralised software with several loosely coupled services that communicate with one another to alleviate the aforementioned problems and enhance management and student/guardian communication through notifications.

Both desktop and mobile browsers are supported because it is a server-side enterprise application.ensuring that each student receives the necessary academic grades.

A forward information flow resulting from academics, art, athletics, and other activities is included in the control technique in addition to a feedback information flow for monitoring purposes to satisfy the overall grade.

The ability to precisely and efficiently monitor progress is one of the most crucial types of feedback information that influences decision-making and, ultimately, project performance in the educational sector.

## OBJECTIVE

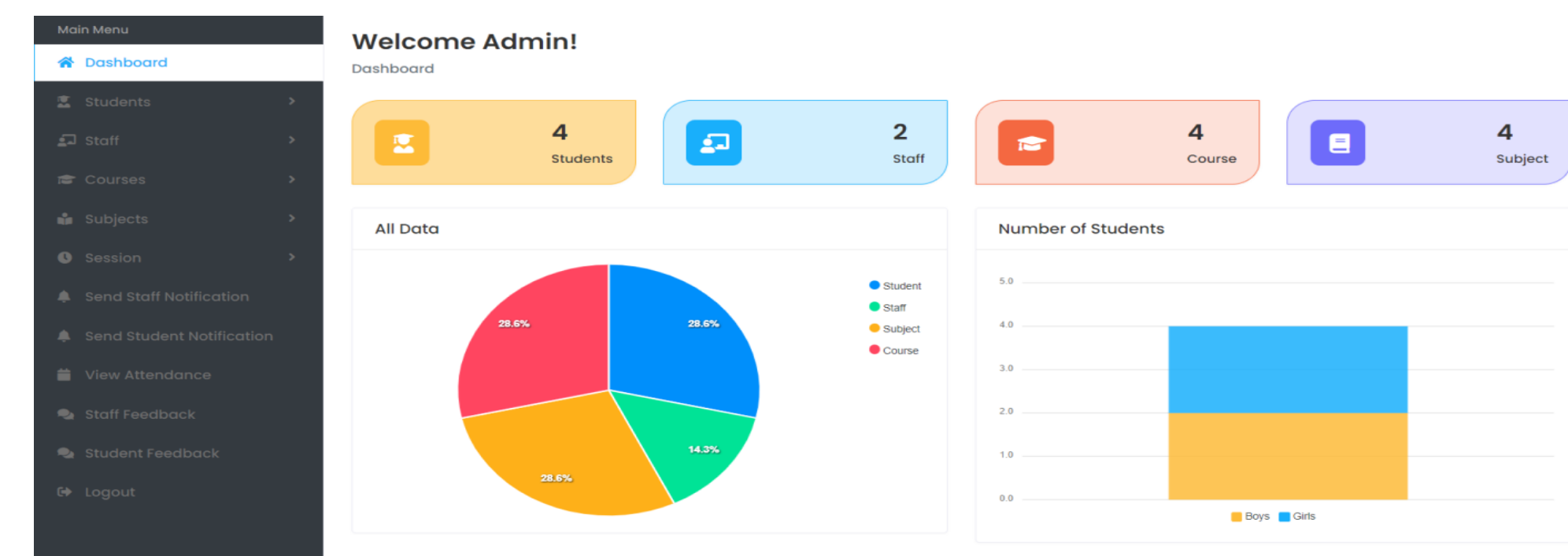
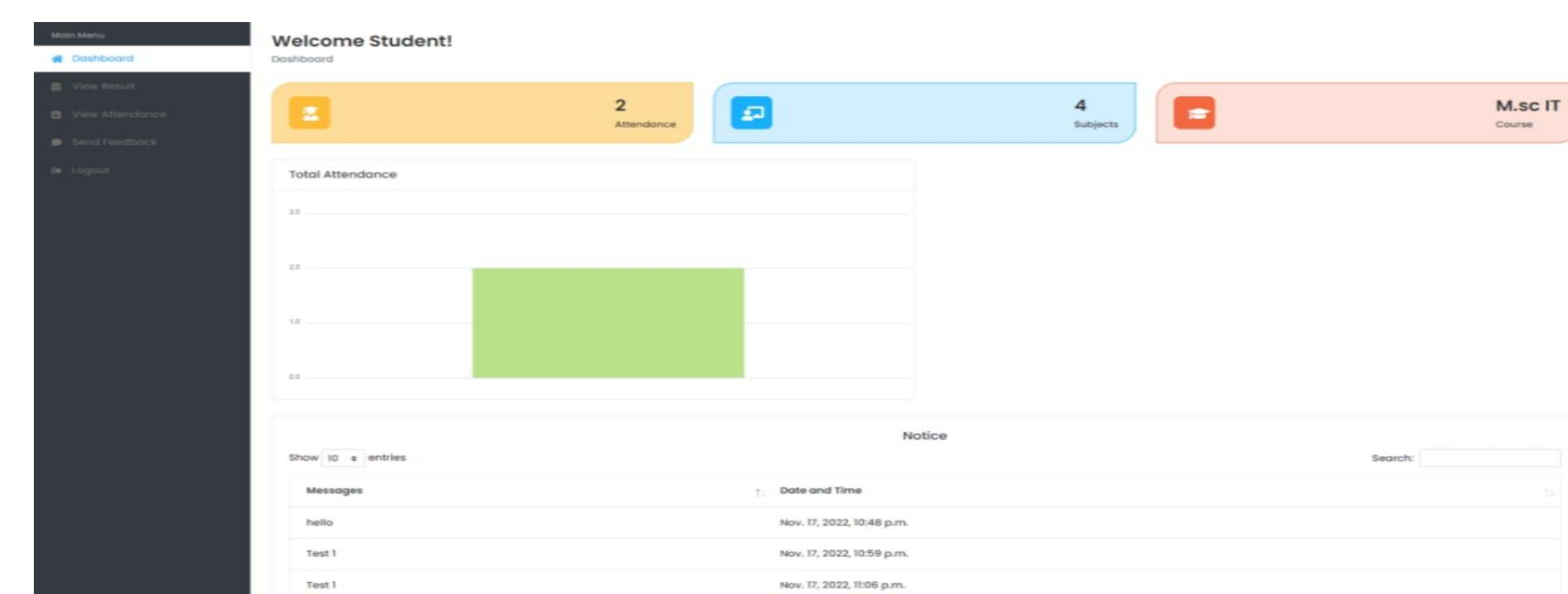
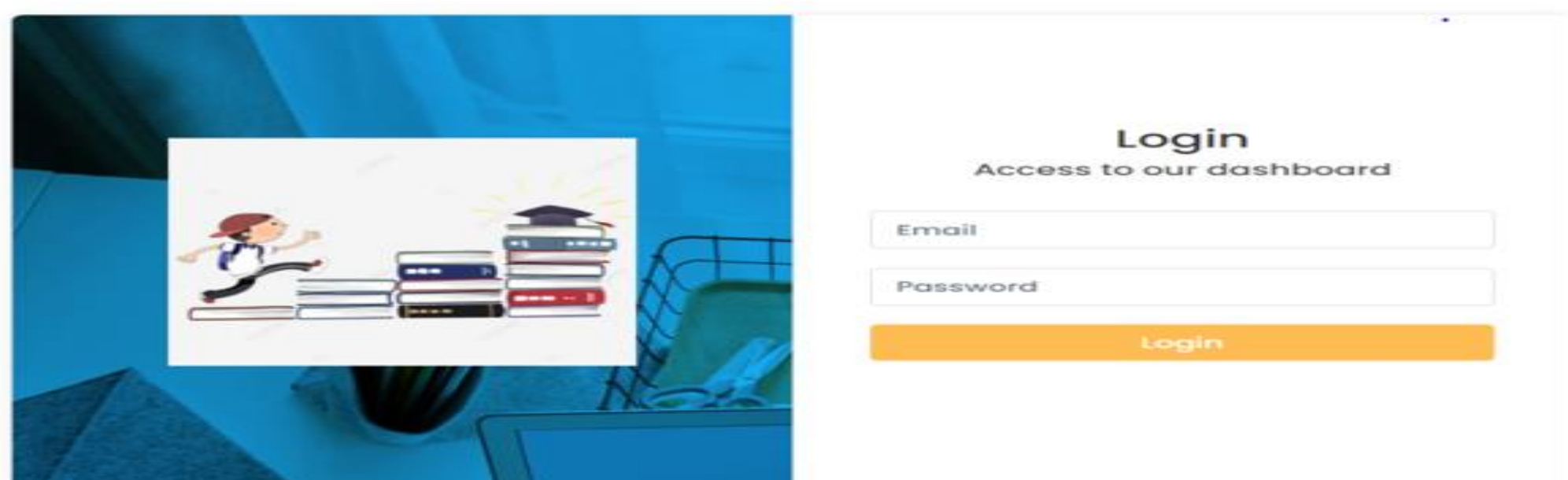
- To track student performance in academics and participation in co-curricular activities throughout their academic education.
- To manage student information.
- To reduce unnecessary paper work in making students progress reports.

## ACKNOWLEDGMENT

Even if a person may be constrained in some ways, he might nonetheless realise his otherwise impossible aspirations with the help of inspiring individuals. Ideas are exchanged, and this results in new, improved objects. Anytime someone helps them or cooperates with them, their hearts are compelled to express thanks.I would like to convey my sincere gratitude and admiration for my project's mentor, Prof. Ronak Jain, whose unwavering support, extensive knowledge, and expertise have been a huge source of strength in my endeavour.

## BENEFITS

- Prudence in managing student data To store various types of data, numerous apps or websites are not necessary.
- Real-time monitoring of students Online and anytime attendance checks to see if a student is present for class.
- Continuous evaluation of student performance.
- Additional activities, like sports, dance, the arts, etc., can also be tracked.



## TECHNOLOGY USED

Technique Used

- Bootstrap:

Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains HTML, CSS and (optionally) JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components. Bootstrap is an HTML, CSS & JS Library that focuses on simplifying the development of informative web pages (as opposed to web apps). The primary purpose of adding it to a web project is to apply Bootstrap's choices of color, size, font and layout to that project. As such, 23 the primary factor is whether the developers in charge find those choices to their liking. Once added to a project, Bootstrap provides basic style definitions for all HTML elements. The result is a uniform appearance for prose, tables and form elements across web browsers. In addition, developers can take advantage of CSS classes defined in Bootstrap to further customize the appearance of their contents. For example, Bootstrap has provisioned for light- and dark-colored tables, page headings, more prominent pull quotes, and text with a highlight.

- Django:

Django (/ˈdʒæŋɡoʊ/ ˈjɑŋ-ɡoh) is a free and open source web application framework, written in Python. A web framework is a set of components that helps you to develop websites faster and easier.When you're building a website, you always need a similar set of components: a way to handle user authentication (signing up, signing in, signing out), a management panel for your website, forms, a way to upload files, etc.Luckily for you, other people long ago noticed that web developers face similar problems when building a new site, so they teamed up and created frameworks (Django being one of them) that give you ready-made components to use.Frameworks exist to save you from having to reinvent the wheel and to help alleviate some of the overhead when you're building a new site.

- Python:

Python is an interpreted, object-oriented, high-level programming language with dynamic semantics. Its high-level built in data structures, combined with dynamic typing and dynamic binding, make it very attractive for Rapid Application Development, as well as for use as a scripting or glue language to connect existing components together. Python's simple, easy to learn syntax emphasizes readability and therefore reduces the cost of program maintenance. Python supports modules and packages, which encourages program modularity and code reuse. The Python interpreter and the extensive standard library are available in source or binary form without charge for all major platforms, and can be freely distributed.

## CONCLUSION

- Checking on students' progress The technology makes it simple for educational institutions to keep track of their students.
- The academic success of the organization's students is preserved thanks to this system.Teachers and students may easily access it, and it keeps track of pupils' progress.
- Due to the dispersed and frequently duplicated nature of the information in the manual system, it is challenging to achieve this goal and acquiring the necessary information could be time-consuming.Each of these difficulties is addressed by this initiative.

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