STUDENT DASHBOARD WEBSITE
T.E. MINI PROJECT REPORT

Submitted in partial fulfillment of the requirement of University of Mumbai

For the Degree of

Third Year of Engineering in

Instrumentation Engineering

By

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Under the guidance of

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Certificate of Approval

This is to approve that project entitled *"**Student Dashboard**"* report of the project is submitted by:

Mr. Aryan Purohit (68)

Mr. Ankit Kumar (63)

Mr. Ajay Khavale (62)

In the partial fulfillment of the degree of T.E. Instrumentation Engineering.

Prof. Swati Nagrundi	**Prof. D.N. Pawar**	**External Examiner**
(Project Guide)	**(**HOD Instrumentation Department)	

Date: / /2023

SUMMARY SHEET

1. **Name of the students:** Mr. Aryan Purohit
   Mr. Ankit Kumar
   Mr. Ajay Khavle

2. **Class and semester:** T.E. (I.S.) VI SEM
3. **Title of the project:** Student Dashboard
4. **Name of Guide :** Prof. Swati Nagarundi

Abstract

The current shift from traditional classrooms to online learning in higher education calls for more attention to self-regulated learning. This research is motivated by the growing interest in potential of using analytics dashboard to increase individuals' self-regulation by creating visibility into their performance in various applications. This study explores how data visualization can be integrated with online learning to improve learners' performance through enhancing their skills in planning and organization. We are working on the design of a comprehensive dashboard, focusing on micro-level of learning analytics to support learning activities of students. This dashboard includes the following two features to enhance students' self-regulation in online learning:
(1) a function to track students' progress compared to other students over time;
(2) reminders to help students with upcoming deadlines and auto-generating to do lists.

The hypothesis is that this dashboard will increase students' engagement, motivation, and self-regulation in an online learning environment. The practical contribution of this study is to create a personalized dashboard for students based on the learner-generated data to benefit students' organization skill, planning skill, and motivation.

Department of Instrumentation

Vision:

To inculcate competence and productive professionalism in instrumentation technocrats to face the current and future challenger of technological development.

Mission:

1) Technical Skills - To promote innovative and original thinking in the minds of budding engineers to face the challenges of future.
2) Overall Development - To inculcate value-based, socially committed professionalism amongst the students.
3) Research - To facilitate research opportunities to faculty as well as students in multidisciplinary field

Program Educational Objectives (PEOs):

PEO1: Fundamental knowledge: Graduates will have successful career in industry or pursue higher studies to meet future challenges of technological development.

PEO2: Design skills: Graduates will develop analytical skill, software skill and logical skill to enable them to analyze and design Instrumentation and Control Systems.

PEO3: Professional Skills: Graduates will achieve professional skills, entrepreneurship skills along with ethical attitude and will be able to relate Engineering issues to broader social context.

PEO4: Self-Learning: Graduates will undertake research activities in emerging multidisciplinary fields.

Program Specific Outcomes (PSOs):

PSO 1- Graduate will analyze Instrumentation engineering and multi-disciplinary problems of industries and validate results by performing mini or main projects in collaboration with industry experts and academicians.

PSO2- Graduate will interpret industrial processes design Instrumentation systems and carry out project execution and management with ISA standards and safety standards.

PSO 3- Graduate will Model, simulate, analyzes and implements complex Instrumentation systems using resent trends in industries and safely automate systems

CONTENT TABLE

CHAPTER- 1
INTRODUCTION

Student Dashboard is a web app developed to help students with their problems related to academics. In this web app students can find study material according to their streams, can arrange resources, set remainders for upcoming exams, submissions and orals. It also creates an ample environment for them to study. It's made using technologies like HTML, CSS and JAVASCRIPT and is written in Vs code and hosted on GitHub.

The Hyper Text Markup Language or HTML is the standard markup language for documents designed to be displayed in a web browser.

Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language such as HTML or XML. CSS is a cornerstone technology of the World Wide Web.

JavaScript, often abbreviated as JS, is a programming language that is one of the core technologies of the World Wide Web, alongside HTML and CSS. As of 2022, 98% of websites use JavaScript on the client side for webpage behavior, often incorporating third-party libraries

CHAPTER- 2

CONFIGURATION

Hardware Used

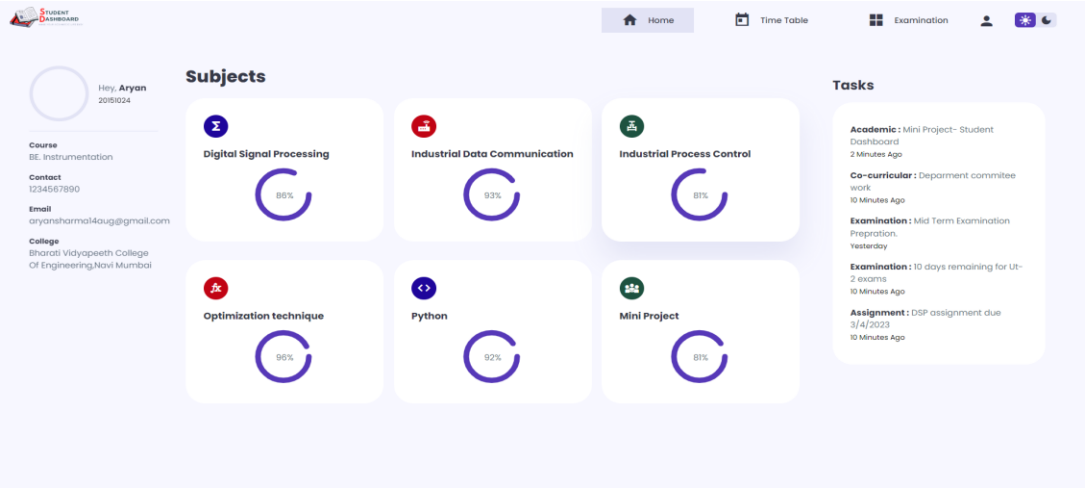
- Processor 11th Gen Intel(R) Core (TM) i3-1115G4 @ 3.00GHz 2.90 GHz
- Installed RAM 8.00 GB (7.65 GB usable)
- System type 64-bit operating system, x64-based processor

Software Used

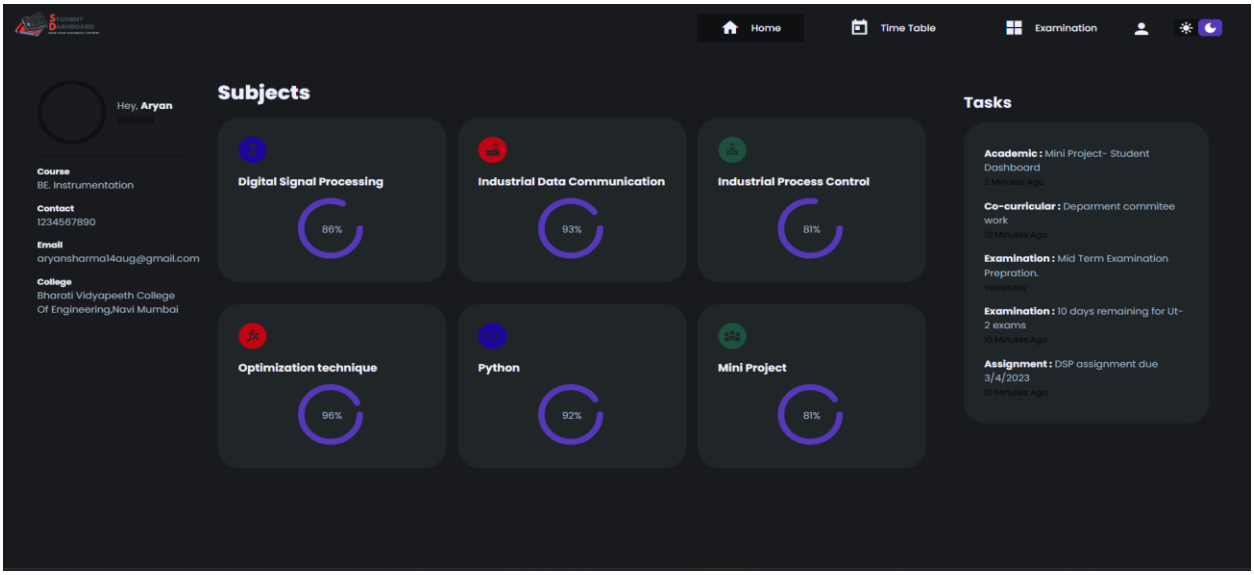
- VS CODE
- GITHUB

CHAPTER-3
WORKING

Student Dashboard works using technologies like HTML, CSS and Javascript.HTML is used to give a basic structure to a website justifying position of logo, navigation bars and announcement board.CSS is used to give style, padding, margins and making the website responsive i.e. compatible for all available devices. JavaScript is a programming language, in this website its used to manipulate the website, for example when you click on timetable it takes you to timetable tab, it also keeps a track of the date and time to show the timetable for following day. and it can also allow students to keep certificates in one page.



WEBSITE ON NORMAL MODE



WEBSITE ON DARK MODE (FOR COMFORTABLE VIEWING IN NIGHT)

CHAPTER- 4
CONCLUSION

- Creating a backend framework so students can login in it-A backend of any website consist of Database and how to call, get and post information from frontend to backend. A backend can be made using node.js, express, mongo dB, flask etc.

- Using same backend to upload notes -Use the backend to get resources from students to store their data into their database.

- Also allow students to visit outer links to access books on different website (ex.-Amazon, Flipkart)-This can be done via API (Application programming interface) calling with which materials can be listed on our website from different places

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https://youtube.com/playlist?list=PLu0W_9lII9agiCUZYRsvtGTXdxkzPyItgELECTRICAL

[2] W3 schools.com-https://www.w3schools.com/whatis/

[3] GITHUB TUTORIAL

[4] BOOTSTRAP

[5] HTML & CSS: Design and Build Web Sites: Jon Duckett