1. Company profile

1.1 Formation of company

Aqmenz Automation Private Limited is a private incorporated on 15th October 2018. It is classified as Non-Govt Company and is registered at Registrar of companies, Bangalore.

1.2 Brief history of company

Aqmenz Automation Pvt Ltd (AAPL) was started on October 2018. It is situated in northern part of Bangalore, RT Nagar Karnataka. AAPL provides Mechanical Design & Automation solutions to their client companies. AAPL also involved in Open source Robotics and devel oped different varieties of Robots.

Aqmenz also started INDOSKILL, a separate platform for the students to get training and work on various Real Time Industrial Projects. Indoskill offers skill-oriented hands-ontraining through an online platform.

Field of Expertise: Open-source Robotics, Industrial Automation, Product Design, Python and Deep Learning and Embedded Systems.

1.3 Major Milestones:

We have under gone many industrial projects. Our major clients are BIAL (Bangalore International Airport Limited), GE (General Electric) and Amics technologies.

1.4 Vision and mission

Our Motto and Vision are to create awareness & training young generation to current and future jobs demands and also help to current and future jobs demands; meanwhile help the students and employees to meet the mandatory necessities of future human resources and skill demands. We are in the 4th industrial revolution. The technological revolution is catastrophic like never before, hence continues awareness for the up-gradation environment is much essential. Aqmenz Automation Pvt. Ltd. is working to help and enhance the potential of studentsand employees. So that future human resources will be very beneficial, purposeful and profitable to the nation.

1.5 Objectives

- AAPL had a trust in Skill India mission & vision, hence our utmost priority is to

add skill to the young Generation and make them Profitable and productive for the nation.

- We aim in Providing Industrial Automation Training Skill module kits to Institution University's & Collage Lab Facilities with Lowest Possible Price for Benefits of Technical Students.

- Identifying young entrepreneurs and motivate, training them to establish Start-up to create Employment as well as prosperity for the nation.

- Consultation, Sourcing and supplying highly skilled Manpower to Industry for better efficiency and productivity.

- Providing low cast & precise industrial automation solutions.

- Very eager to fetch solution for most complex industrial problems in a mode

1.6 About the company

Organization structure The organization structure is having three different departments such as design department, software department and sales and marketing.
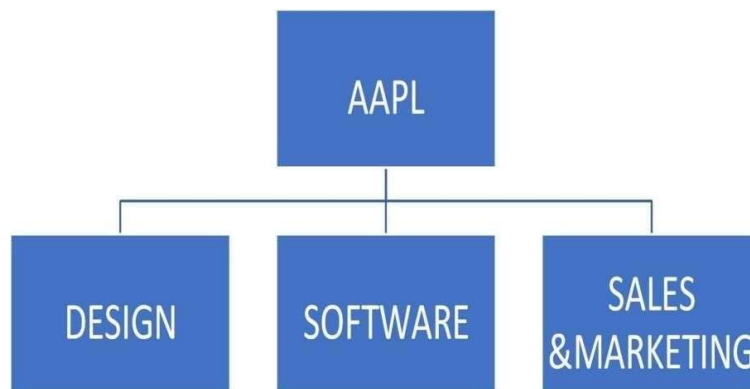

figure 1.1 Organisation structure

1.7 Services offered

- Provides Design & Automation solutions.

- All type of automation projects to companies using PLC's, SCADA embedded systems.

- We provide robots and robotic solutions to small and medium scale companies.

- Embedded solutions to companies like GE

- We conduct technical skill-oriented training programs to engineering colleges.

- We also provide robotics and automation lab equipment's for colleges.

Number of people working in company and their responsibilities

There are 20 persons in this company, out of which:

- Shamanna Mohan, Chief Executive Officer (CEO)

- Mohammed Azhar Hussain, Chief Technology Officer (CTO)

1.8 Ongoing projects

- Automation related projects
- CNC Machines
- Open-source Custom Robots
- Garment Industry slider project

2. Introduction

The Student Dashboard Webpage project aims to develop a user-friendly and visually appealing web interface that provides students with easy access to important academic information and resources. In today's digital age, having a centralized platform to access course materials, grades, and other relevant information is essential for enhancing the educational experience. This project leverages HTML and CSS to create an interactive and responsive dashboard that caters to the needs of students.

Project Goals

The primary goals of this project include:

1. Information Accessibility: Create a dashboard that allows students to easily access their course-related information, such as grades, schedules, assignments, and announcements.

2. User-Friendly Interface: Design an intuitive and visually appealing user interface that is easy to navigate, ensuring that students can quickly find the information they need.

3. Responsiveness: Ensure that the dashboard is responsive, adapting seamlessly to various screen sizes and devices, such as desktop computers, tablets, and smartphones.

4. Customizability: Provide options for students to personalize their dashboard by choosing widgets and layouts that suit their preferences and needs.

- In this Workshop program we have done a project.

- Project: Student Dashboard Webpage

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3. Technology Used

The Student Dashboard Webpage is built using the following technologies:

- **HTML (Hypertext Markup Language):**

HTML serves as the foundational markup language for creating the structure and content of webpages. In the context of the Student Dashboard Webpage project, HTML is used for several essential purposes:

1. Structure: HTML defines the structural elements of the webpage. This includes headings, paragraphs, lists, tables, and forms. For example, it can be used to structure the layout of the dashboard, with sections for course information, grades, announcements, and user settings.

2. Semantics: HTML uses tags to provide meaning to the content. Properly structured HTML enhances accessibility and search engine optimization (SEO). Semantic HTML tags like <header>, <nav>, <main>, and <footer> can be used to define the different sections of the dashboard.

3. Links and Navigation: HTML is used to create links to other webpages or resources. In the context of the student dashboard, this may include links to course materials, assignments, and external resources. Navigation menus and buttons are also implemented using HTML.

4. Forms: HTML forms are used for user input, such as login and settings updates. Students can use forms to log in to their accounts, submit queries, or customize their dashboard preferences.

5. Content Integration: HTML can embed external content like videos, documents, or widgets. This can be useful for displaying multimedia course content or integrating external tools.

- **CSS (Cascading Style Sheets):**

CSS complements HTML by providing styling and presentation to the webpage. In the Student Dashboard Webpage project, CSS is responsible for various design aspects:

1. Layout: CSS is used to define the layout of the dashboard, including the placement of elements, grid systems, and responsive design. For instance, it can ensure that elements are properly aligned and spaced on the page, creating an organized and visually pleasing layout.

2. Colors and Visual Elements: CSS allows designers to specify colors for backgrounds, text, buttons, and other visual elements. It also controls properties like font size, typefaces, and text formatting to maintain consistency and enhance readability.

3. Responsive Design: CSS media queries are employed to make the dashboard responsive to different screen sizes and orientations. This ensures that the dashboard looks and functions well on various devices, such as desktop computers, tablets, and smartphones.

4. Animations and Transitions: CSS can be used to create animations and transitions for user interactions. This can include smooth hover effects on buttons, fade-ins, or slide-outs for menus, and other engaging visual enhancements.

5. Customization: CSS allows users to customize their dashboard's appearance. For instance, it can enable students to choose from a selection of predefined themes or customize color schemes to personalize their experience.

6. Consistency: CSS ensures a consistent look and feel throughout the dashboard, creating a cohesive user experience. It ensures that headers, footers, navigation menus, and content areas follow a unified design language.

4. Results

Output Screens
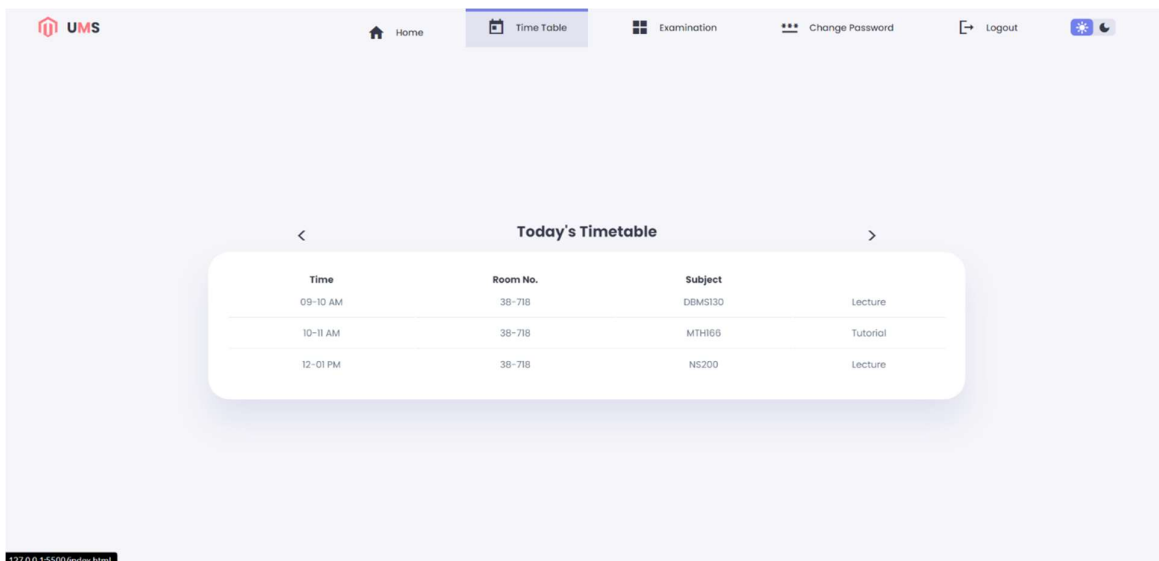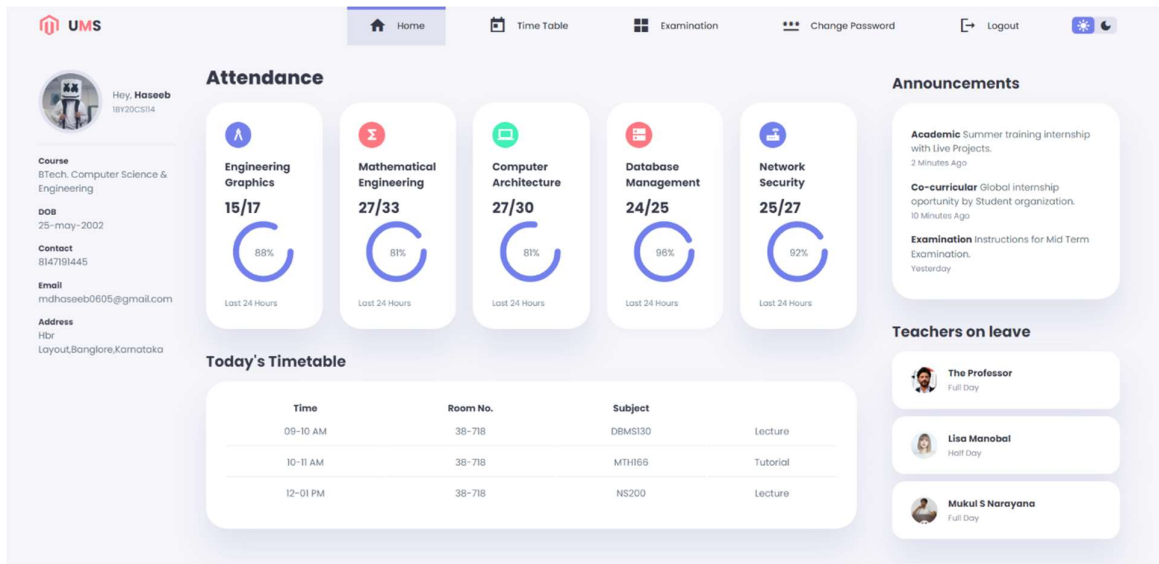
UMS   Home   Time Table   Examination   Change Password   Logout

Exam Available

Date	Time	Subject	Room no.
13 May 2022	09-12 AM	CS200	38-718
16 May 2022	09-12 AM	DBMS130	38-718
18 May 2022	09-12 AM	MTH166	38-718
20 May 2022	09-12 AM	NS200	38-718
23 May 2022	09-12 AM	CS849	38-718

UMS   Home   Time Table   Examination   Change Password   Logout

Create new password

Your new password must be different from previous used passwords.

Current Password

New Password

Confirm Password

Save   Cancel

Forget password?

5. Reflection notes

5.1 Skills acquired

- HTML Markup: Proficiency in structuring web content using HTML tags and elements. You'll have learned how to create headings, paragraphs, lists, forms, tables, and more.

- CSS Styling: Skills in styling webpages with CSS, including setting colors, fonts, margins, padding, and using CSS selectors to target specific elements for styling.

- Responsive Design: Understanding how to make webpages responsive to different screen sizes and devices through CSS media queries and layout techniques like flexbox or CSS Grid.

- Semantic HTML: Knowledge of using semantic HTML tags to enhance accessibility and SEO, making your webpages more understandable by both humans and search engines.

- Web Layout: Proficiency in creating web layouts and organizing content effectively, including the use of CSS for positioning elements and achieving desired visual structures.

- User Interface Design: Basic principles of user interface (UI) design, including color theory, typography, and spacing to create visually appealing and user-friendly interfaces.

- Forms and User Input: Skills in creating HTML forms for user input and validation, along with handling form submissions and user interactions using HTML and JavaScript.

- Navigation and Links: Knowledge of creating navigation menus, links, and buttons to facilitate user navigation within the dashboard and to external resources.

6. Conclusion

In conclusion, the Student Dashboard Webpage project has successfully achieved its goals of developing a user-friendly, visually appealing, and accessible web interface for students to access important academic information and resources. Through the use of HTML and CSS, the project has resulted in a technically sound and aesthetically pleasing dashboard that caters to the needs of modern students in the digital age. The project's technical outcomes include the creation of an interactive and responsive student dashboard, user authentication, structured content organization, customizable themes, navigation menus, and effective styling and layout using CSS. These outcomes have contributed to a positive user experience, making it easier for students to access their course materials, grades, schedules, and announcements in a centralized platform.

As technology continues to play an increasingly integral role in education, the Student Dashboard Webpage project serves as a valuable tool for enhancing the educational experience. It streamlines information accessibility, promotes organization, and fosters engagement among students, ultimately contributing to improved learning outcomes.

Overall, this project highlights the significance of web development skills and the potential for web-based solutions to address real-world needs. The knowledge and experience gained during this project in HTML, CSS, and web development practices can serve as a strong foundation for future endeavors in the field of web development and user interface design. Moreover, the project demonstrates the ability to create practical solutions that benefit both students and educational institutions in the digital era.