

# **A DEFENCE REPORT PRESENTED BY**

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**COURSE TITLE: DESIGN PROJECT  
COURSE CODE: CEC 419**

# PROBLEM STATEMENT

Develop a comprehensive educational platform that addresses the following challenges faced by lecturers and students:

**Lack of visibility into student performance:** Provide lecturers with a tool to easily identify and analyze areas where students are struggling or performing poorly within their courses. This will enable timely interventions and personalized support to improve student learning outcomes.

**Limited access to internship opportunities:** Create a centralized platform that connects students with a wide range of internship opportunities offered by various companies. This platform should provide up-to-date information on available internships, requirements, application processes, and facilitate smooth communication between students and companies.

**Scarcity of reliable information sources:** Establish a reliable and trustworthy source of information for students, addressing the gaps in accessing relevant educational resources, updates, and announcements. This will help students stay informed and engaged with the latest information related to their courses, faculty, and university events.

**Bridging the gap between skilled students and job opportunities:** Provide a platform that offers exposure and networking opportunities for talented students. By connecting them with industry professionals, mentors, and potential employers, this platform will increase their chances of finding suitable job opportunities and enhance their career prospects upon graduation.

The proposed solution aims to empower lecturers and students by improving academic monitoring, facilitating internship discovery, ensuring access to reliable information, and fostering connections between skilled students and employment opportunities.

# METHODOLOGY

## **Data Analytics and Visualization:**

Implement data analytics techniques to analyze student performance data and identify areas where students are struggling or performing poorly within their courses.

Develop visualizations and reports that provide lecturers with actionable insights to help them understand the specific challenges and implement targeted interventions for improved learning outcomes.

## **Internship Aggregation and Matching:**

Create a platform that aggregates internship opportunities from various companies and organizations.

Implement a matching algorithm that considers students' skills, qualifications, and preferences to connect them with relevant internship opportunities.

Enable seamless communication and application processes between students and companies through the platform.

## **Content Curation and Information Dissemination:**

Curate relevant educational resources, updates, announcements, and event information from various sources.

Develop a user-friendly interface to present the information to students in an organized and easily accessible manner.

Implement features like notifications, personalized recommendations, and search functionality to ensure students have access to the latest and most relevant information.

## **Networking and Industry Engagement:**

Establish partnerships with industry professionals, companies, and mentors to provide students with networking and mentorship opportunities.

Organize events, workshops, and seminars that bring students and professionals together, facilitating knowledge sharing and career development.

Develop a platform that allows students to showcase their skills, projects, and achievements to attract potential employers and increase exposure.

**Feedback Mechanisms and Continuous Improvement:**

Incorporate feedback mechanisms such as surveys, polls, and ratings to gather insights from lecturers and students.

Continuously assess the effectiveness of the platform's features and functionalities and make iterative improvements based on user feedback and changing needs.

## CLASS DIAGRAM

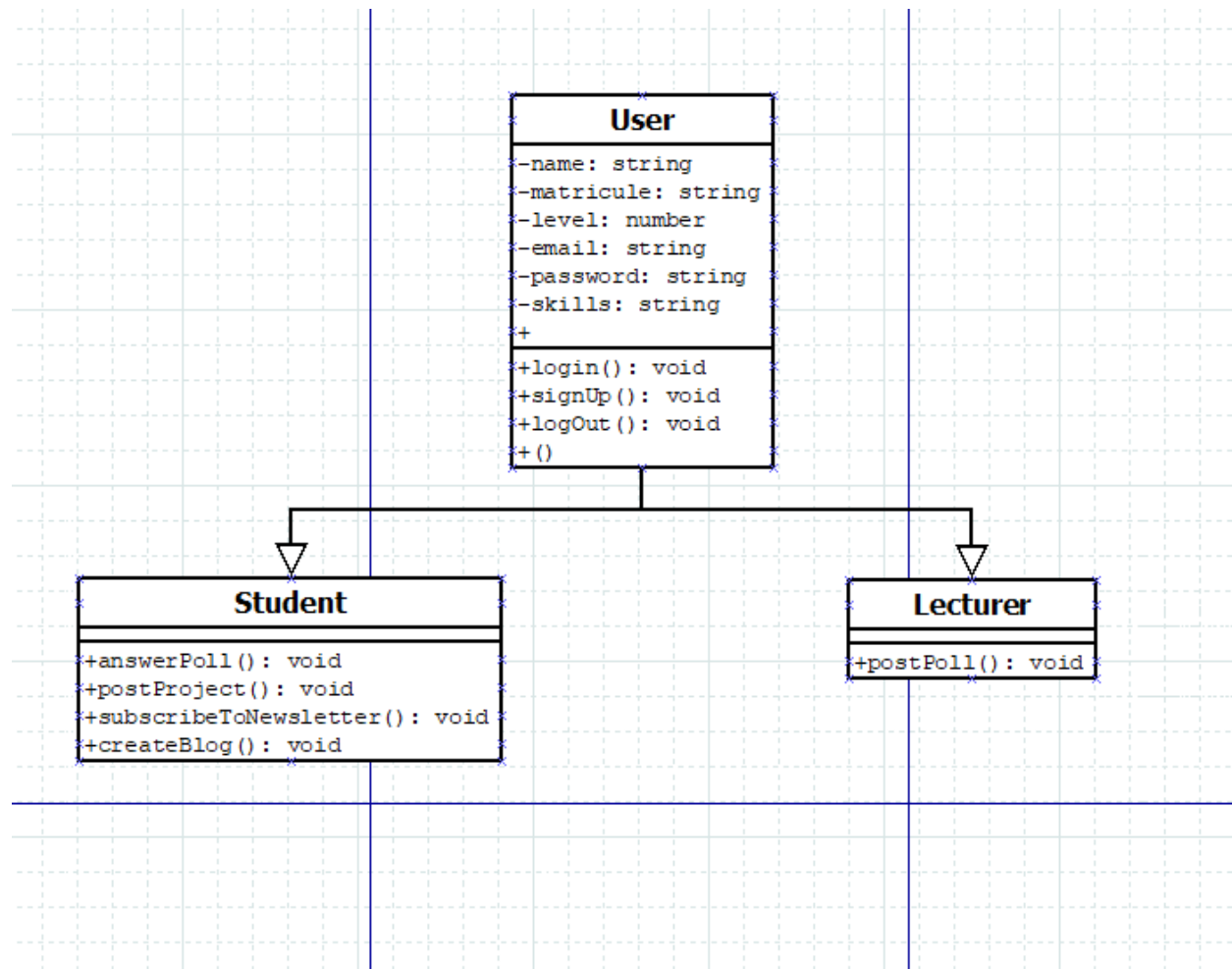


Fig 1.0 BRYTZONE CLASS DIAGRAM

# USE CASE DIAGRAM

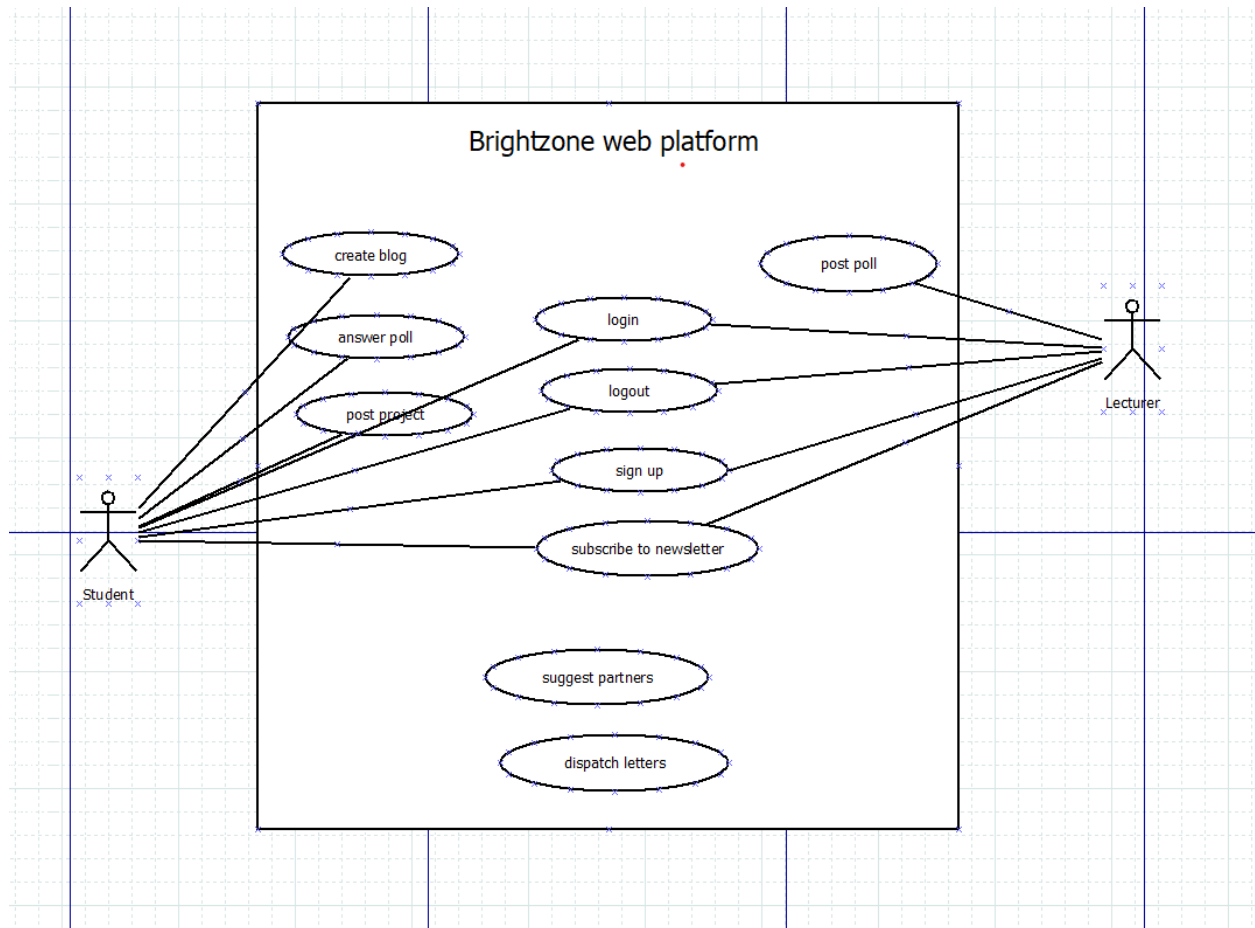


Fig 1.1 BRYTZONE USE CASE DIAGRAM

# SNAPSHOTS OF BRYTZONE DESIGN

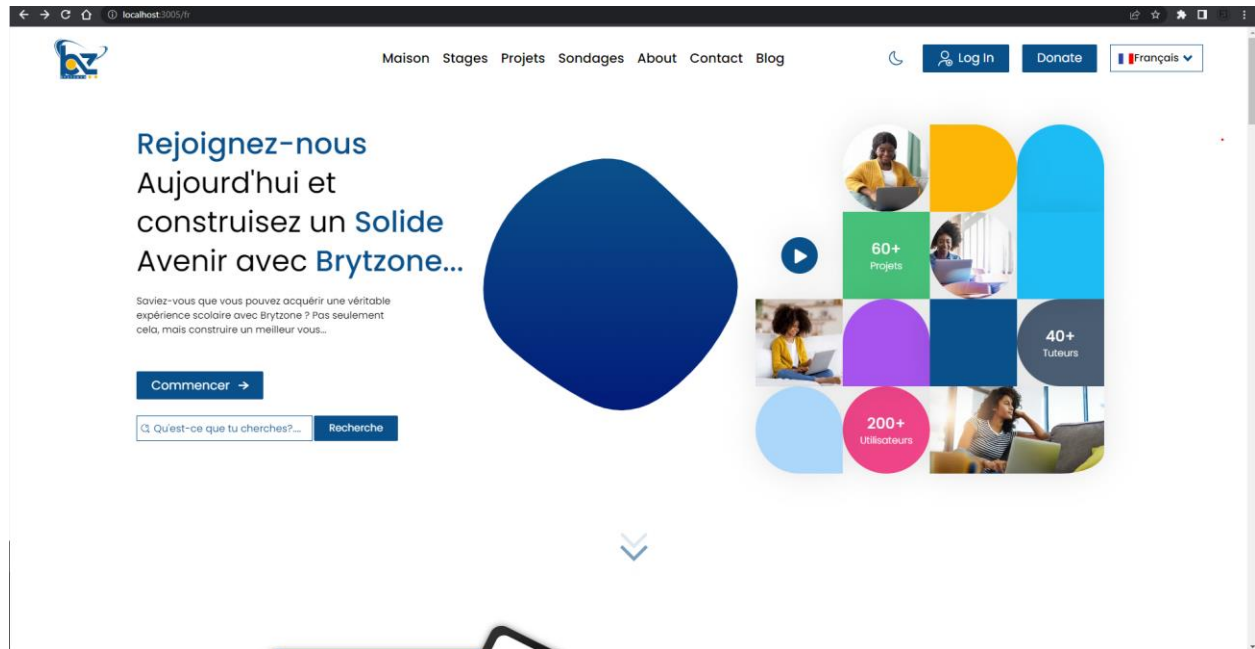


Fig 1.2 BRYTZONE HOMEPAGE

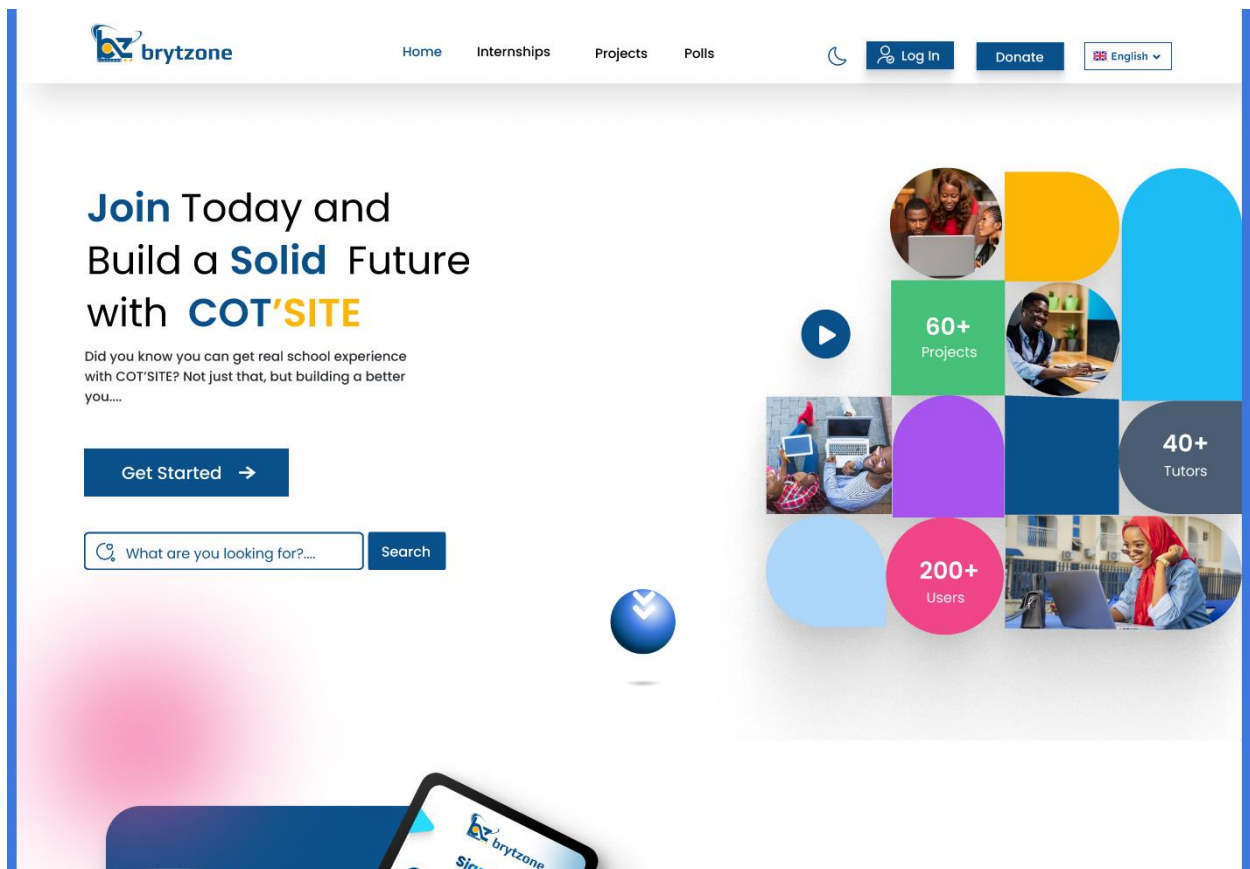


Fig 1.3 BRYTZONE HOMEPAGE FRENCH



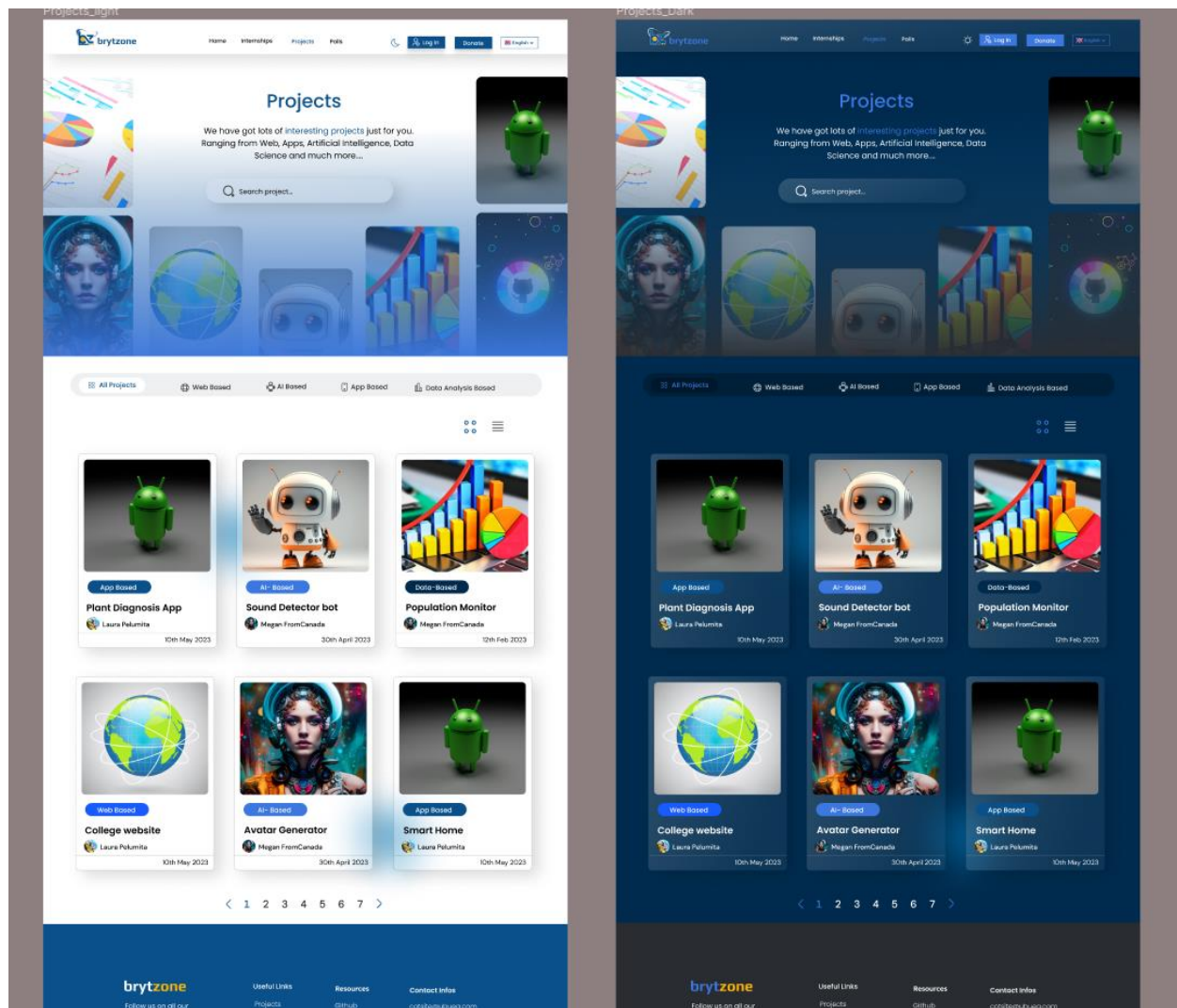


Fig 1.4 BRYTZONE PROJECTS PAGE

SignUp\_LightTheme2

## Sign Up

Back To Home

✓

✓

123

Email

delac1630@gmail.com

Area of Interest

Front End Development

Skills

UI/Ux designing

Proceed

Already have an account? [Login](#)

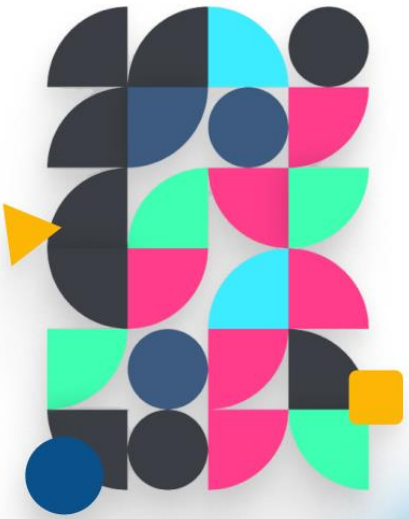


Fig 1.5 BRYTZONE SIGNUP PAGE

## **INCOME GENERATION**

- Publishing adverts on the website
- Subscription fee for premium features
- Fee to view paid internships
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