INDUSTRIAL VISIT
C L A R I T Y   T E C H W O R K

18 JANUARY 2024

SUMMARY OF THE VISIT

On January 18, 2024, students of Section 3 in the Technology and Information System course, under the guidance of our esteemed lecturer, Dr. Muhammad Iqbal Tariq bin Idris, embarked on a captivating visit to Clarity Techworks Sdn. Bhd. The moment we stepped into the office, we were greeted by a stunning design that left us in awe, complemented by the warmth and kindness of the company's officers. Our journey began with an insightful briefing from Mr. Yee Soon Tuck, the Chief Technology Officer, who explained to us about blockchain and cryptocurrency, providing us with a comprehensive understanding of the company's mission.

The visit shows us a firsthand glimpse into the diverse sectors of operation of Clarity Techwork by encompassing web development, IOS and Android development, UI/UX, and API design teams. Each facet showcased the company's commitment to excellence and innovation. Notably, the inclusion of a dedicated playing zone for employees to unwind underscored Clarity Techworks' holistic approach to fostering a positive work environment.
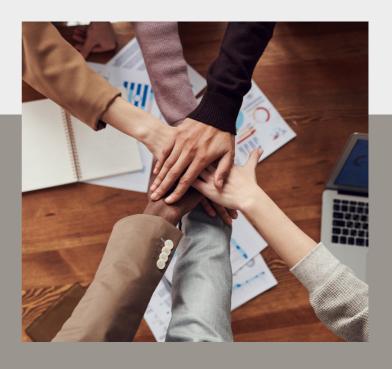
The experience deepened our knowledge and afforded us valuable insights into the intricate workings of an IT company. Witnessing the seamless integration of creativity and collaborative teamwork left an indelible impression on us, inspiring a newfound appreciation for the dynamic world of Clarity Techworks.

SPACE-X MEMBERS

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TECHNOLOGIES AND ISSUES DISCUSSED IN THE VISIT

Front End Team

The team discussed about the visible aspect of a website, incorporating design, layout, and user interface elements. Key components include HTML for structure, CSS for presentation, and JavaScript for interactivity. Considerations involve responsive design for varied devices and cross-browser compatibility.

The Website API Team

We were exposed by the lineup of diverse applications to exchange data, employing RESTful API or GraphQL architectures. Key components include endpoints defining functionalities and HTTP methods for communication. Considerations encompass scalability and security through authentication mechanisms.

Mobile App Development Team

There are 2 mobile app development teams. Both have different lineup of technologies used to adapt to 2 different kind of mobile OS which is Android OS and IOS. For Android OS, they useAndroid Studio, Java, Kotlin and Material Design

UI/UX design Team

Figma is their main tool for them to do their works. It is a cloud based design tool.With powerful vector editing capabilities, Figma empowers designers to create high-fidelity interfaces, interactive prototypes, and detailed design systems

QA Analyst Team

Selenium and Appium is mainly used by QA analyst. They cover a broad spectrum of automated testing needs for both web and mobile applications.

All Team's Works Integrations

In discussion, integration between the frontend and API provides dynamic user experiences. The Android app extends this experience to mobile devices. Consistency in applying Material Design principles unifies the brand. API updates must ensure backward compatibility. Quality assurance processes cover both frontend and app for a bug-free, consistent user experience. Coordination is vital for optimal performance and consistency.

REFLECTIONS

Visiting Clarity Teck Works Company was a truly inspiring experience that taught me valuable lessons about what it takes to build a successful and innovative organization.

One of the key reflections I took away from my visit was the power of collaboration. The company fostered a culture of teamwork and cooperation, which was evident in the way employees interacted with each other. It was inspiring to witness the seamless exchange of ideas and the collective effort put into solving complex problems. This experience made me realize that great accomplishments are rarely achieved in isolation, but rather through the united and synergistic efforts of a team.

Another important reflection was the company's unwavering commitment to innovation. Clarity Teck Works encouraged employees to think outside the box, take risks, and challenge the status quo. Everywhere I looked, there was an atmosphere of excitement and enthusiasm for new ideas and cutting-edge technologies. This visit reminded me of the importance of embracing change and constantly pushing boundaries in order to stay ahead in today's rapidly evolving business landscape.