CSN-254
Software Engineering
Project Proposal

Group-4

Name	Roll No	Contribution
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Small Screen to Big Screen Adventure: Smartphone-Controlled Glow Hockey/Foosball.

Our Project

Developing a glow hockey and/or foosball gaming application which allows smartphones to be used as controllers for connecting and interacting with the game on PC.

Identifying the problem

Traditional glow hockey games often offer multiplayer functionality only on the same device, requiring players to share the screen or use split-screen modes. This setup can be inconvenient and detract from the overall gaming experience. It also limits the gaming experience and immersion. By incorporating smartphone controller support, the game can tap into a broader audience who prefer highly interactive games

Customer for the project

For our project, customer is mainly the group of casual gamers who play games with their friends to socialize and seeks entertainment and relaxation through gaming

Dummy Customer

Customer: **Mr. X**

Mr. X is a student from our own branch who is a casual gamer and generally plays games during his leisure time. He has been playing many different games since his childhood and has a good sense of

gamer experience and comfort. He can provide candid feedback and is readily available for testing, evaluation, suggesting changes and also has similar preferences and habits. He is definitely the one who will provide valuable insights during the development of the game.

What we aim to do

- **Development of Glow Hockey/Foosball Controller-Based Gaming Service**: We aim to create a gaming service centered around glow hockey and/or foosball, utilizing smartphone controllers for enhanced gameplay interaction.

- **Seamless Smartphone Integration**: Our system will seamlessly integrate smartphones as controllers, enabling users to interact with the PC game effortlessly. By leveraging the capabilities of smartphones, we aim to deliver a smooth and intuitive gaming experience.

- **Elimination of Hardware Consoles**: Our solution eliminates the need for specialized hardware consoles, making the gaming experience more accessible and cost-effective for users. By leveraging smartphones as controllers, we provide a convenient alternative without requiring additional hardware investments.

Why is it important

- **Enhanced Accessibility:** By leveraging smartphones as controllers, the game becomes more accessible to a broader audience. Individuals who may not own traditional gaming consoles or peripherals can still participate, increasing inclusivity and diversity within the gaming community.

- **Cost-Effectiveness:** Eliminating the need for hardware consoles reduces the financial barrier to entry for players. Users can enjoy immersive gaming experiences without the significant investment typically associated with specialized gaming hardware.

- **Seamless Integration:** Utilizing smartphones as controllers provides a seamless and intuitive gaming experience. Players can interact with the game more naturally, leveraging the familiar touch interface of their smartphones.

- **Innovative Gaming Experience:** The integration of smartphone controllers introduces new possibilities for gameplay mechanics and interaction. This innovation enhances the overall gaming experience, providing players with fresh and engaging content.

- **Broader Audience Reach:** By offering a gaming experience that bridges the gap between small screen and big screen entertainment, the game can attract a wider audience. This increased reach can lead to greater engagement and success within the gaming market.

Is the Project Feasible for 2nd-Year Students?

This project is indeed challenging but exciting, and it's well-suited for second-year students. We'll have the opportunity to apply our programming and software development knowledge in a real-world context, which will be an invaluable learning experience. Our team is ready to take on the challenge and deliver an exciting gaming experience.

Additionally, our team will mentor and support each other throughout the project to ensure its success.