

## **InvestSIM**

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### **Abstract**

In today's complex and dynamic financial landscape, developing a sound understanding of investment principles and strategies is crucial for individuals to make informed financial decisions. To address the growing need for improved financial literacy, this study introduces an innovative investment simulation tailored to educational contexts. This simulation aims to provide participants, such as students and novice investors, with a practical and immersive learning experience in the realm of investments. Hence, InvestSIM, is a trading game for beginners who would like to get a trading experience using virtual money. This trading game will introduce players on how to trade stocks such as buying and selling stocks at certain stock prices. In this trading game, students and the players will be given RM100,000 virtual money as a start-up. After some period, the players will see how much profit they get or how much losses they made if they decide to buy or sell shares. The pedagogical approach adopted for this simulation emphasizes experiential learning and active engagement. Participants are encouraged to analyze market data, evaluate investment opportunities, and adjust their portfolios based on the changing market conditions. Instructors or lecturers have the flexibility to integrate the simulation into various educational settings, such as classrooms, workshops, and online courses, thereby enhancing the overall learning experience.

**Keywords:** investment, simulation, stock, stock price, gamification.



# InvestSIM

"TRADING GAME FOR BEGINNERS"

## Abstract

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## Introduction

By modeling market dynamics in controlled environments, these simulations offer unique insights into the behaviors of traders, the impact of different strategies, and the overall functioning of the market ecosystem.

## Objectives

### i. Understanding Market Dynamics:

The primary objective of trading game simulations among students is to provide them with a hands-on experience of market dynamics. By participating in the simulation, students can observe and analyze how supply and demand, price movements, and trading activities interact to shape market behavior.

### ii. Decision-Making and Risk Management:

Simulated trading games enable students to develop and refine their decision-making skills.

The objective is to help students make informed trading decisions by considering factors such as market trends, fundamental analysis. Additionally, students can learn the importance of risk management techniques like stop-loss orders and diversification.

## Novelty

Here are some aspects that contribute to the novelty of investing simulation:

- Experiential Learning
- Risk-Free Environment
- Real-Time Market Dynamics

## Viability

- Develop practical skills
- Provide realistic market dynamics
- Create a risk-free environment
- Offer immediate feedback
- Foster collaboration
- Integrate multiple disciplines
- Expose students to different scenarios
- Address ethical considerations & Optimize time efficiency

## Advantages

**Practical Application:** Allow learners to apply investment theories, strategies, and concepts in a simulated market, providing a practical understanding of how investment decisions can impact outcomes.

**Risk-Free Learning:** Simulations enable students to explore investment strategies and experiment with different approaches without incurring any actual financial risk.

## Commercialization Potential

- Students
- Novice Investors
- Lecturers/Teachers



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*27.1.2023*

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