# RESHAPING STUDENTS' MINDSET TO UNLOCK THE INNOVATIVE POTENTIALS

## THROUGH PROJECT DESIGN EDUCATION

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#### Introduction

- Hard to identify the problem and solve it.
- Lacking independent learning, presentation, and teamwork skills
- Do not have strong innovative skills to bring the idea or basic research from university to product development in the market.
- Pay low attention to social or community responsibility, making innovations less sustainable.

#### **Approach**

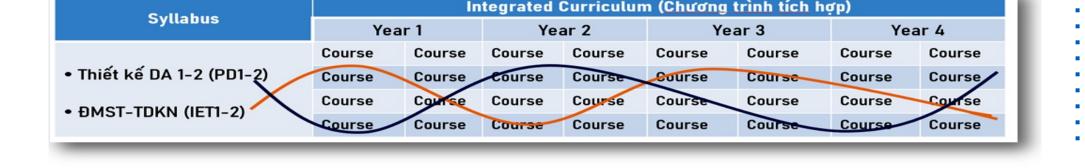
Project Design (PD) Education as one effective alternative to help students act independently and become active thinkers.

- Rotation of roles (leader, secretary, supervisor, and presenter) to familiarize with the future work environment.
- Learning assessment based on students' completion of individual and group assignment (presentations, reports or final project poster).
- The employability skills (e.g., communication, collaboration/ teamwork, presentation, etc.) and innovative skills to be ready for the industry are gained and improved over time.

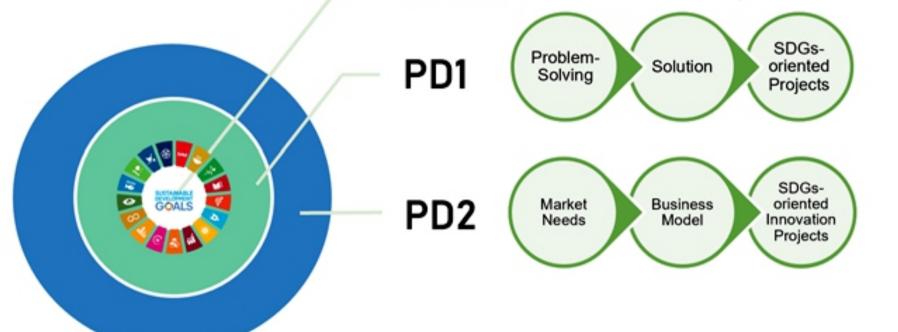
### **Learning Outcomes:**

- Recognize the importance of developing active thinking, growth mindset, and design thinking in problem-solving to contribute to the SDGs.
- Apply the professional skills (communication, collaboration/ teamwork, presentation, etc.) to solve real worlds open-ended problems.
- Demonstrate positive attitudes towards self-learning, teamwork, professional work ethics, and community responsibility.

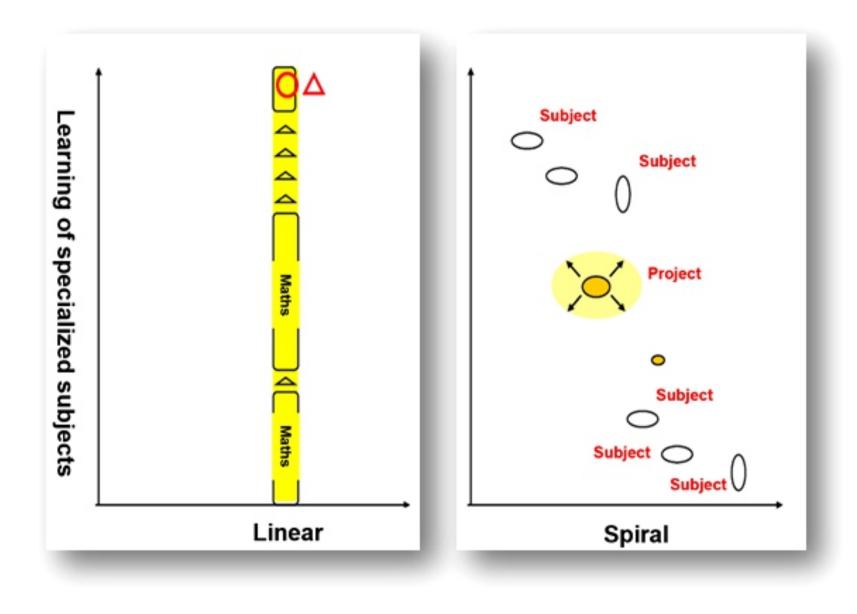
#### **Active Learning of PD Across** Curriculum



### Main Themes— Theme: Sustainable Development Goals (SDGs)



### **Learning of PD Modules**

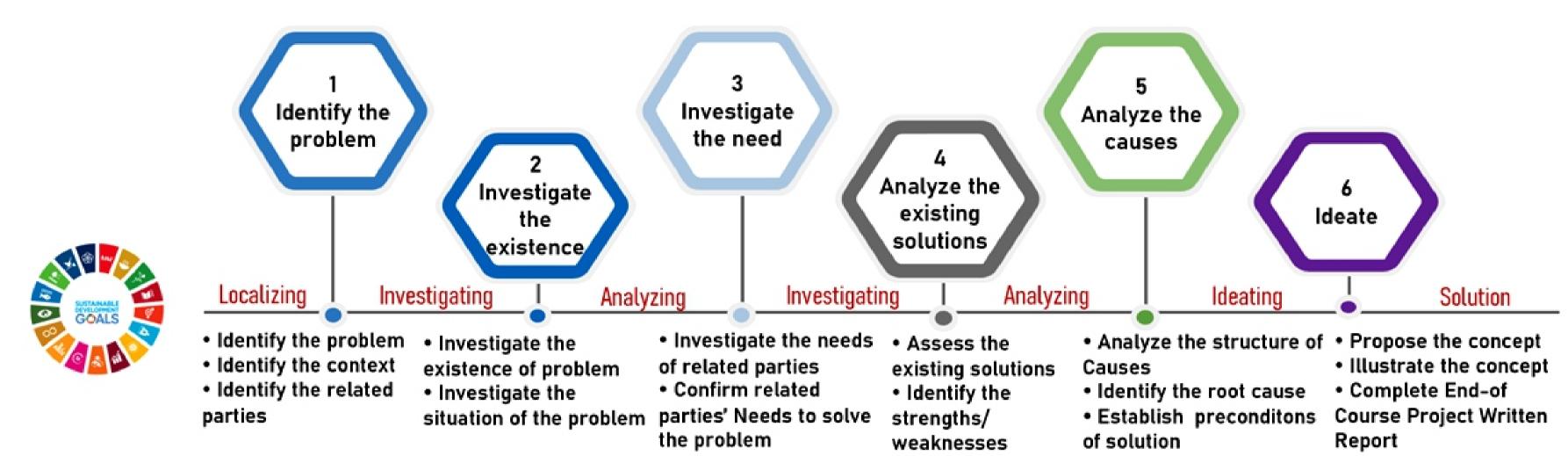


### **Learning Abilities Gained**

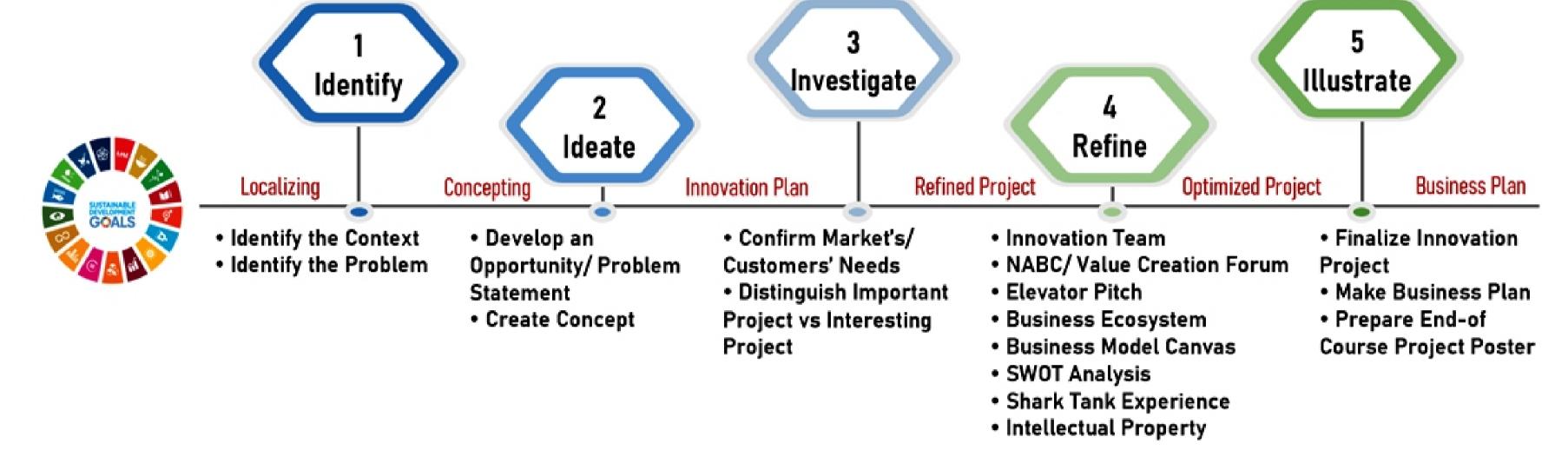
- PD modules in HUTECH University since 2015 and in HCM University of Economics & Finance (UEF) since 2017.
- Key PD learning abilities highly rated:
  - to act and collaborate in a team (teamwork)
  - to develop discussions in a team
  - to conduct good communication skills (written, oral, graphic, and listening)
  - to deliver the presentation in public
  - to survey the market needs and analyze the data
  - to be independent in thinking and acting
  - to manage the time

### **Innovative Process of PD Modules**

# Project Design 1 [PD1]



# Project Design 2 [PD2]



### **Use of SDGs in PD Modules**

Project Design Courses	SDG 1	SDG 2	SDG 3	SDG 4	SDG 5	SDG 6	SDG 7	SDG 8	SDG 9	SDG 10	SDG 11	SDG 12	SDG 13	SDG 14	SDG 15	SDG 16	SDG 17
PD1	0	0	0	0	•	0	0	•	•	•	•	•	-	-	-	-	-
PD2	0	0	0	0	•	0	0	•	0	-	0	0	0	-	-	-	-
PD3	•	•	0	•	•	0	0	0	0	•	0	0	•	-	-	0	-

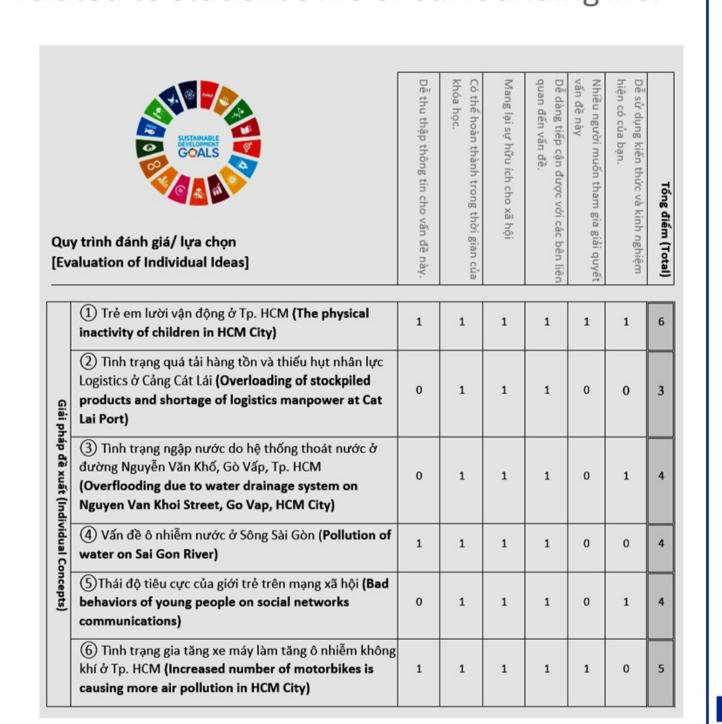
O Strongly related

Somehow related

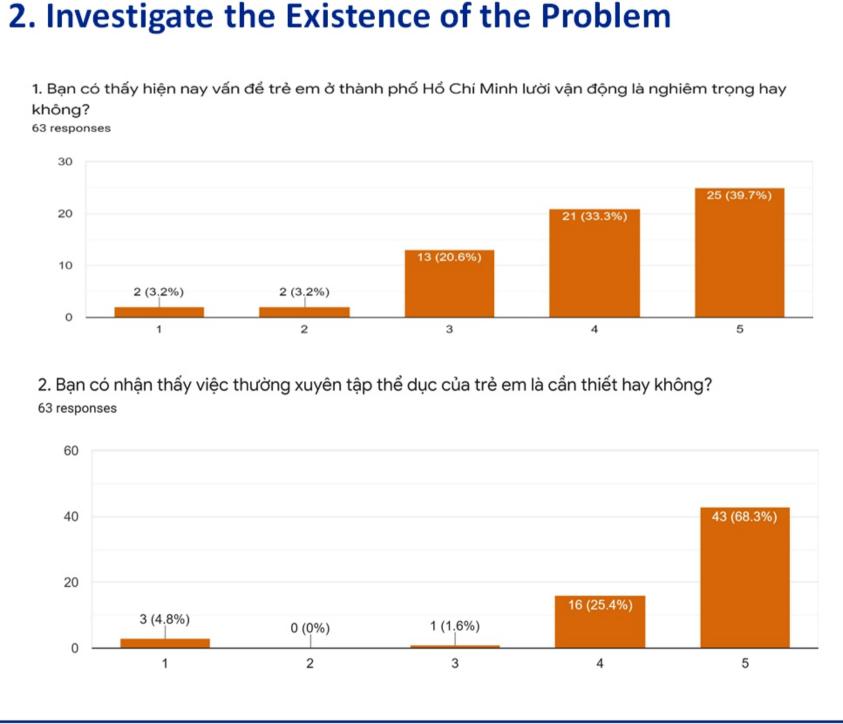
- Weakly related

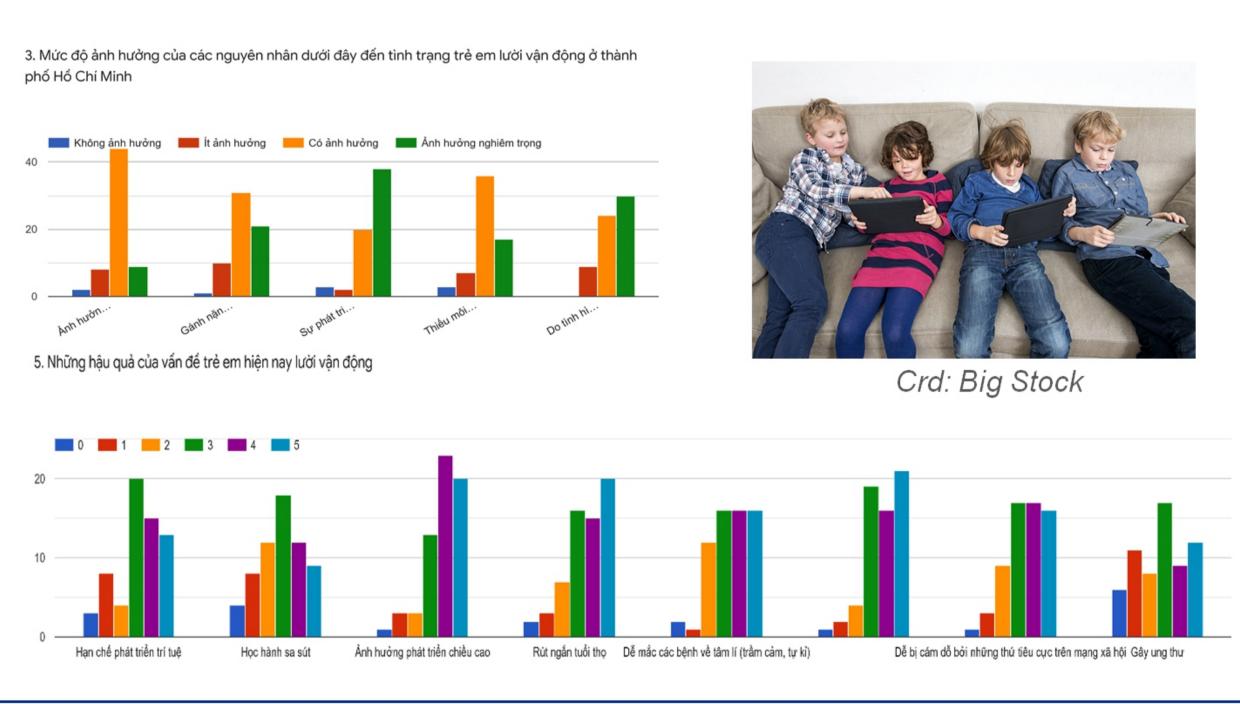
## 1. Identify the Problem

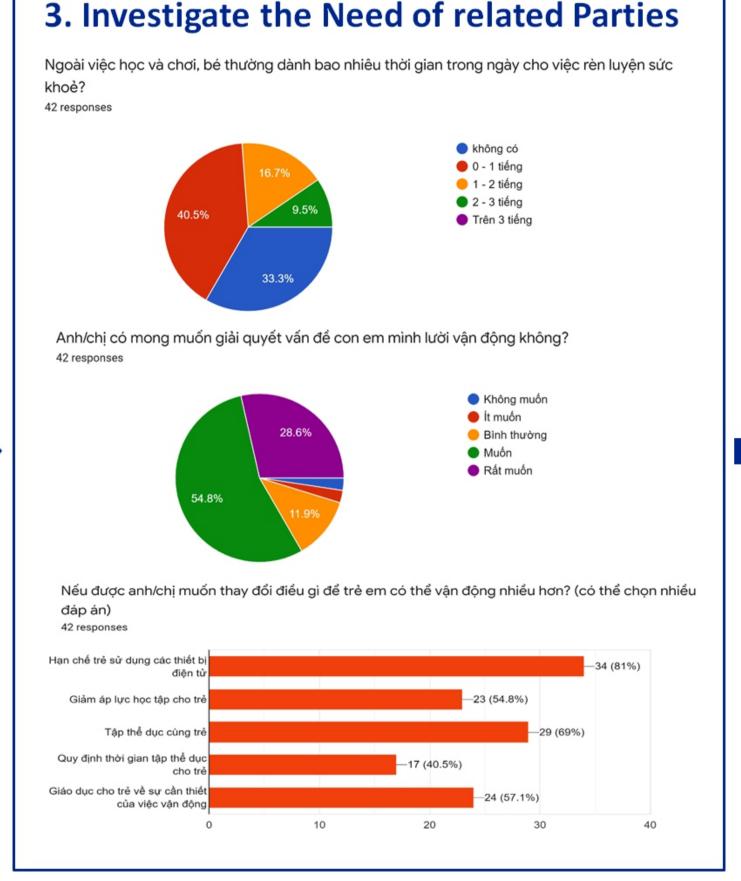
Think about SDGs and find out the challenges related to student's life or surrounding life.

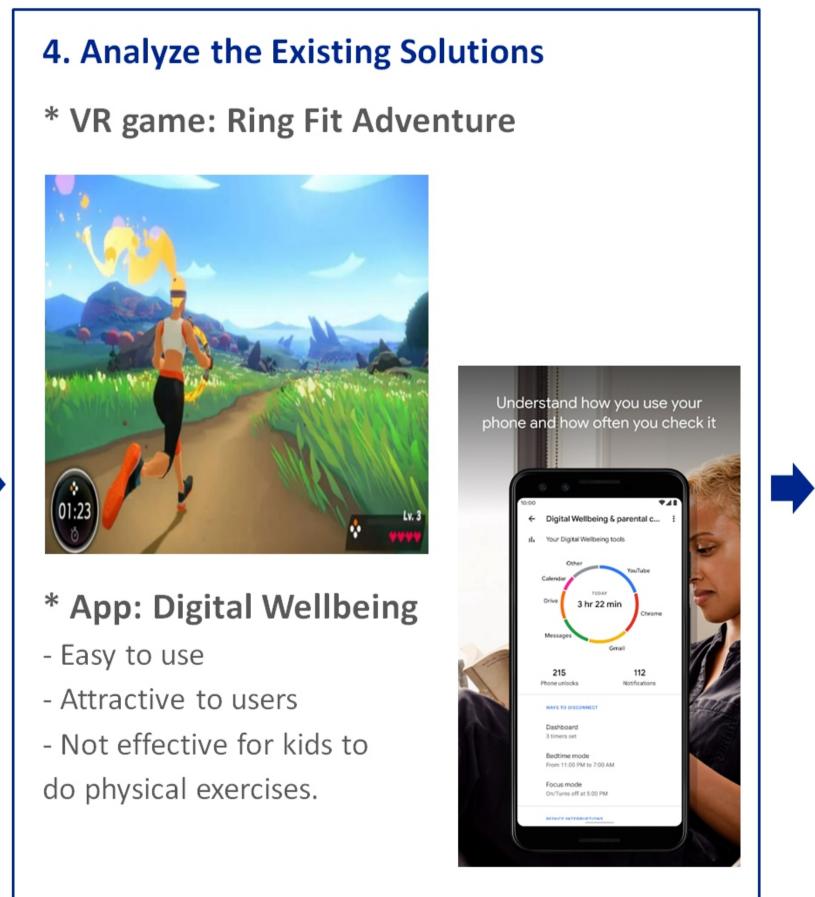


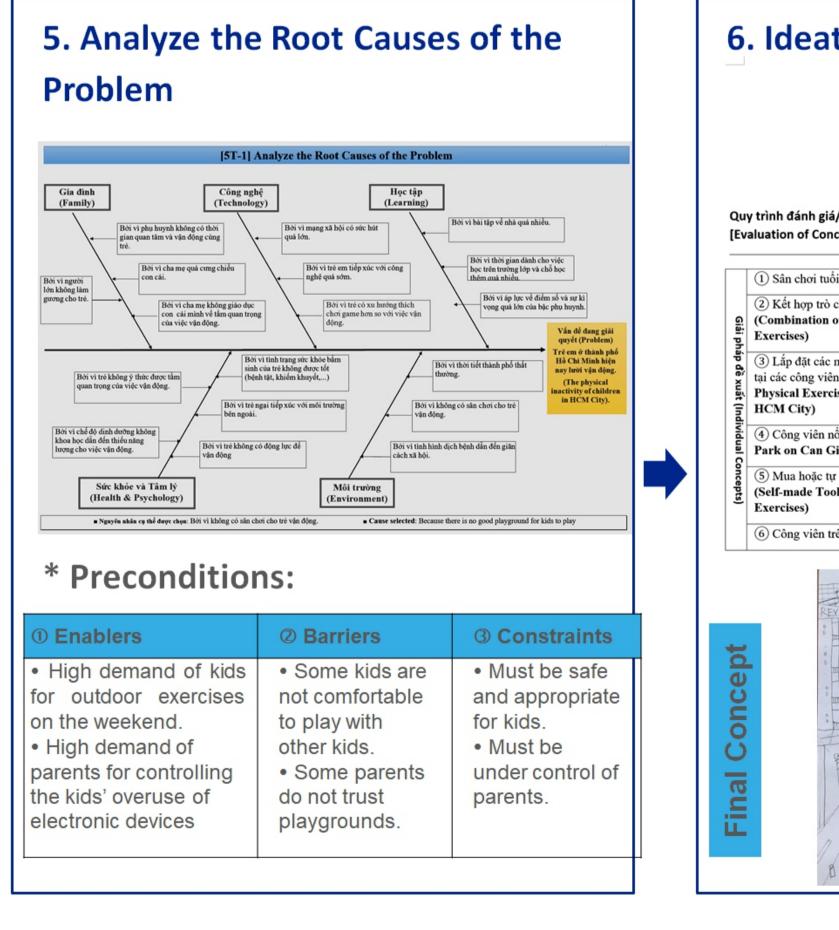
# **Example of PD1**

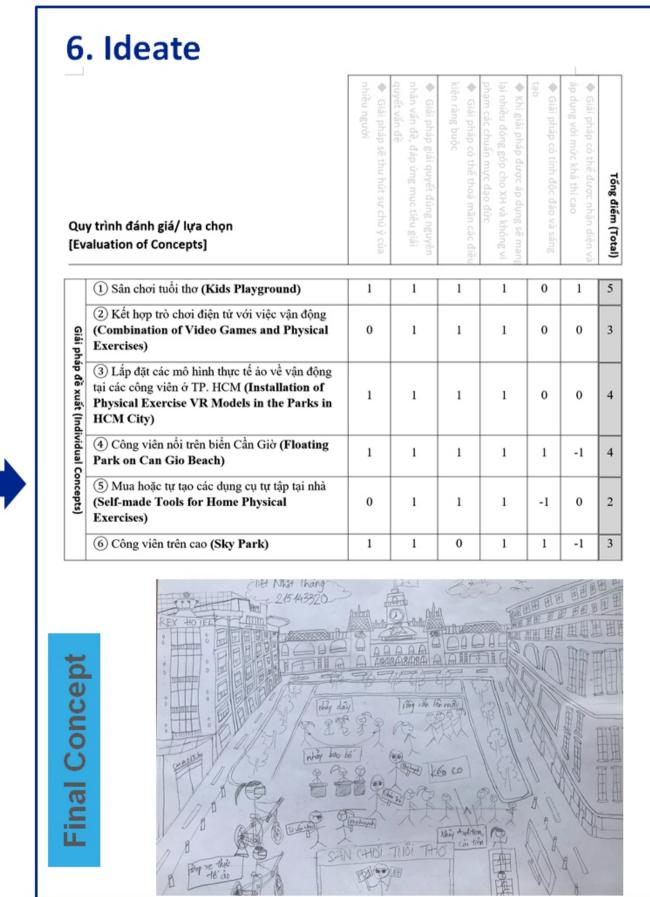




































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