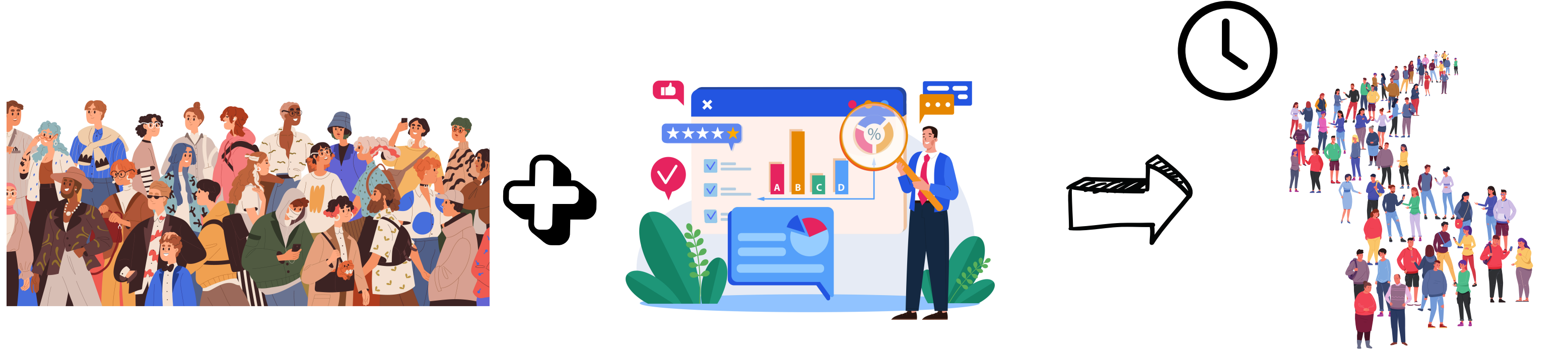


Development of an Artificial Intelligence system for counting the number of people to reduce congestion

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Problem



People are crowded in the area.

The number of people who have problem with crowded

Wasting time in vain



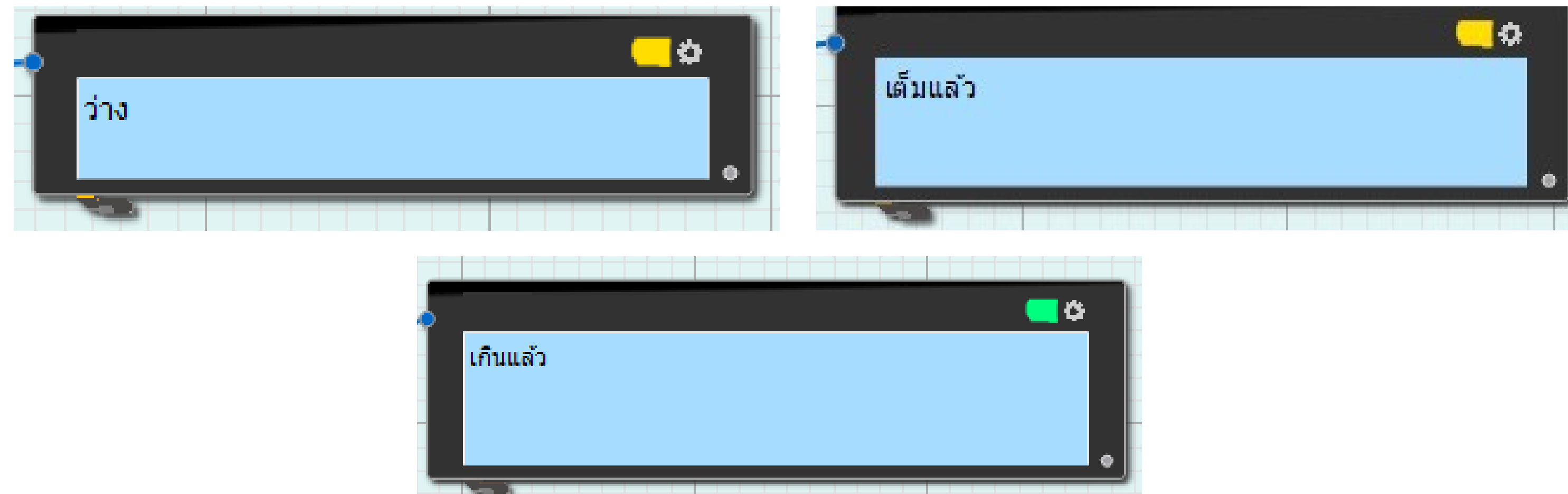
Applying artificial intelligence to be able to process congestion.



Artificial intelligence program for congestion analysis

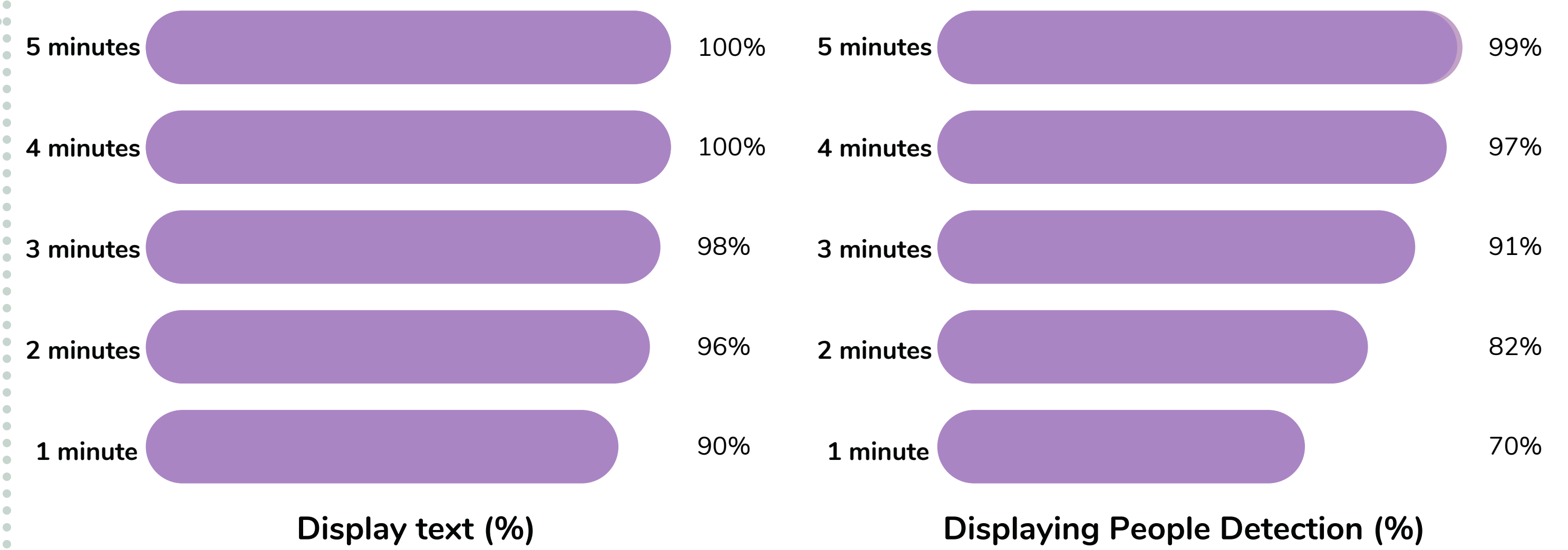
Finding

• CiraCore Program

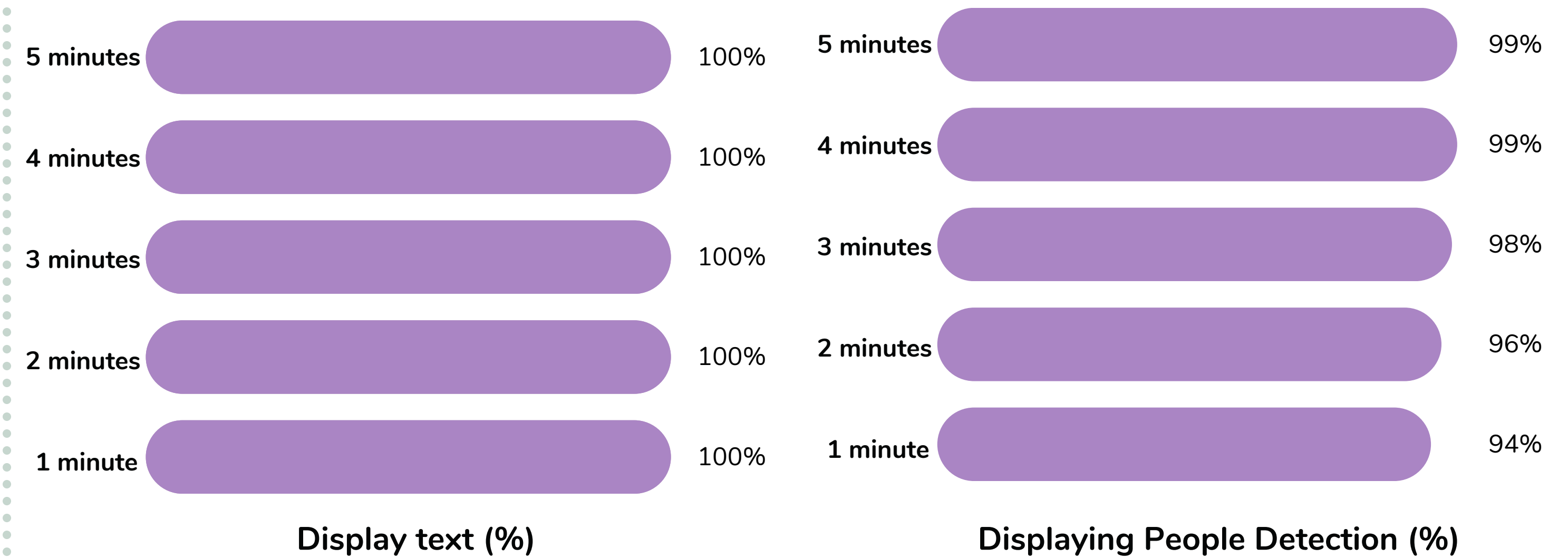


The display page of the program that can be accessed when uploading real-time images of the number of people to be analyzed. After that, the program will proceed within a short period of time. When the analysis results come out, users can see suggestions that the availability is full or exceeded.

• Round 1



• Round 2



Framework

Study and research the content related to program development

Create a picture case for creating a model of program

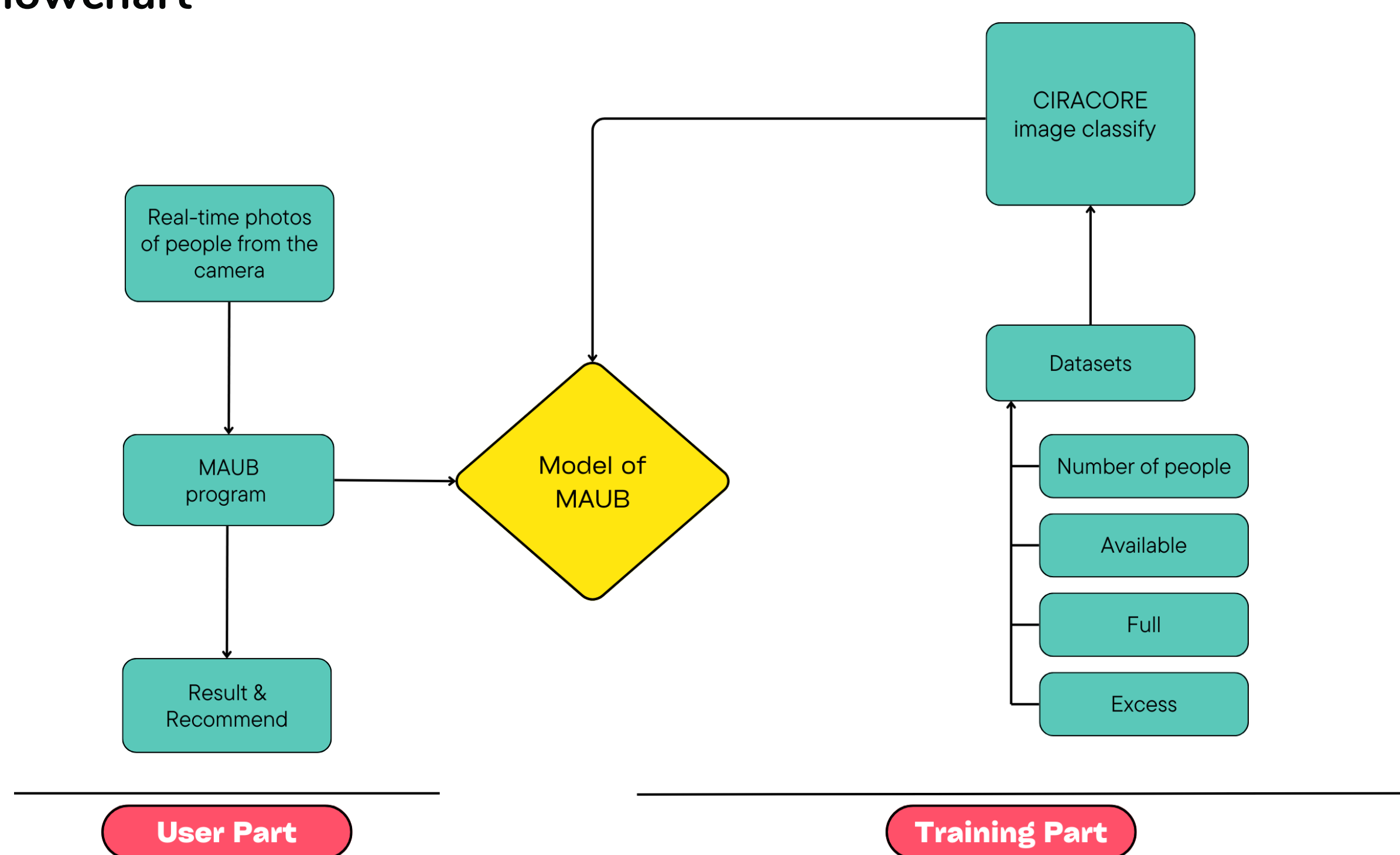
Plan and design program development

Develop the program according to the plan

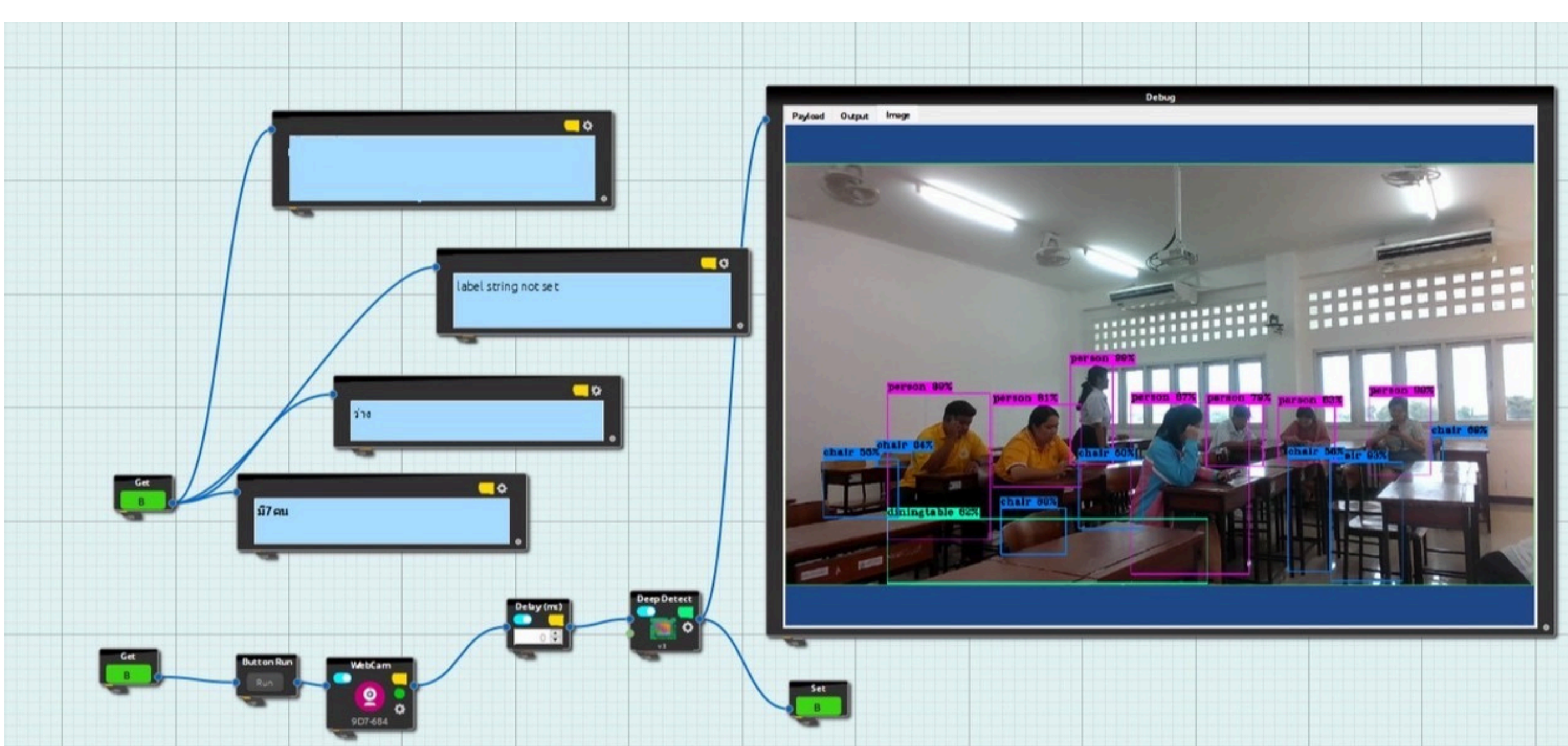
Test the performance of the program

Improve and complete the program

• Flowchart



• CIRACORE image classify



Interpretation and conclusion

Development of an Artificial Intelligence system for counting the number of people to reduce congestion such as counting the number of people in a meeting room is equally important because the meeting room is a place that is continuously used for internal meetings, seminars or workshops. Knowing the number of people in the meeting room helps to manage and plan the use of space effectively. In this article, we will explore the functions and importance of people counting and people counting, as well as the benefits of using these technologies in various areas such as security, resource management, planning and administration, and epidemic prevention through clear examples using the core platform of Cira and deep learning techniques through the Deep method on the core platform of Cira, the AI can learn to count the number of people. The results show that the AI system can count the number of people with an accuracy of 92.5%, given the data of the number of people. It also helps to count people quickly and reduces the effort of manual counting.

Reference

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 [2] researchgate.What is a counting system?(online).Search on 26 July 2024. fromhttps://www.researchgate.net/publication
 [3] salika.What is cira core program?(online).Search on 26 July 2024. from https://www.salika.co/2022/07/17/cira-core-ai-platform-for-robotics-course/