

Diamond's Video Explanatory Document

At first:

Because of the restrictions on site, some of the features of our program cannot be shown in the video.

Our English is not very good. There may be some problems in the subtitles in the demo video and some English expressions in the explanation document. Please forgive us!

1. Program Meaning

Tourism intelligent guidance procedure is for the introduction of various scenic spots, lines, ticket buying, and ticket checking purposes, to the majority of tourists to help, convenient you travel, as well as make you get a better travel experience of a procedure.

2. Program Body and Application Restrictions

The program is mainly divided into START (boot), LOCATION (query location information), WAY (query route), BOOK (reservation ticket), CHEEK (acceptance ticket), SHUTDOWN (shutdown) six parts. (Because the procedures of 2 and 3 points are similar, we will explain them together in the following paragraphs)

- (a)Start: Start the program and explain how to use it. (This will only happen once)
- (b)Location and Way: Stores the location and its information to answer the user's query.
- (c)Book: realize corresponding ticket sales and records through face recognition technology.
- (d)Cheek: Recognize faces for ticket checking.
- (e)Shutdown: Robot and program shutdown.

3. Restrictions on Program Use

- (i)Insensitive to partial recognition words
- (ii)Wait for the robot to finish speaking before talking
- (iii)This program will not save data before restart

4. Future Use

- (1) It can be used in the future tourism center, give tourists to inquire about the location of information booking tickets and other services;
- (2) Can be used at the entrance of scenic spots to check ticket level guidance direction, recommended routes;
- (3) It can be used in major shopping malls, halls and places to sell tickets to guide users to help users book tickets;
- (4) Can help visually impaired people guide direction.

5. Something Want to say

Dear RoboCup Chair Committee, we are Diamond, a student team from China. This is our first RoboCup and our first attempt to write a robot application of this kind. We will work harder to improve our procedures in the coming month. I hope the chairperson will bear with us. We would be honored if we could be chosen. Thank you very much!

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