

Expression Face Recognition

Expression Face Recognition (EFR) app lets you capture your face and checks whether you are authorized and what was your expression. Before using the app, please make sure that you have uploaded latest coded files in server.

STEP 1: To connect to your app server, Go to Menu => Set Port Number

Each team will be given a unique Port Number. Enter the Port Number and click on continue.

STEP 2: To collecting your team's images' data, go to "Data Colletion". You 'Person1' to 'Person7'. This is for each member of your team. For eg. for first member in the team, click "Person1"-> Click the camera icon->Click upload.

STEP 3: For Face Recognition, Go to Menu => Face

Three tasks in the face type are :

- 1) Face Recognition:** Capture your face and know who you are
- 2) Face Similarity:** In this task, you have to capture twice and then it will return the Floating-point numerical similarity measure that you coded in get_similarity function.
- 3) Anti-face Spoofing:** In this task, you will do the following two tasks:
 - Capture face with random expression and the output predicts face.
 - Capture face with given expression and the output predicts whether the facial expression matched with given expression or not.

STEP 4: For Expression Recognition, Go to Menu => Expression

Two tasks in the expression type are :

1) Expression Recognition: Capture your face to find the expression.

2) Sequence Expression Recognition: In this task, three expressions should match in a row.

In each step, you have to select an expression and capture an image with that expression on your face. If your facial expression and selected expression matches, then you can go to the next step, otherwise previous step will be repeated. You can redo the process again.