



**FACIAL RECOGNITION
AND
DETECTION SYSTEM**

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Abstract

Desktop Face recognition program that Use the camera to capture person's faces and store their data like name, ID, Age, Address and Nationality. Then once the program recognize the face, it will displays his/her data immediately after saving it on the data base and then Putting on the button of Recognition

use case analysis

<u>Name</u> : StartCam		<u>ID</u> : UC_1	<u>Priority</u> : high
<u>Actor</u> : employee			
<u>Description</u> : the employee start to open the camera to capture or recognize his face			
<u>Trigger</u> :			
<u>Type</u> :		Internal	External
<u>Precondition</u> : <ol style="list-style-type: none">1. The application is up.2. The internet connection is stable.3. The application is ready to accept data.			
<u>Normal course</u> : <ol style="list-style-type: none">1. The employee starts to capture faces.2. The application checks the validation of the application.3. The application checks that the camera works normally.			
<u>Post condition</u> : <ol style="list-style-type: none">1. Camera captures the faces.2. Data of users stored in the database.			
<u>Exception</u> : <ol style="list-style-type: none">1. The camera not responding.2. The data not stored.			
<u>Summary</u> :			
<u>Input</u>	<u>Source</u>	<u>Output</u>	<u>Destination</u>
Start program.	Employee starts the program.	The application ready to use camera for recognize.	Employee interface.

System implementation and testing

