

A 3D illustration of a dark grey rectangular block with the letters 'ai' in white, standing on a two-tiered orange and yellow pedestal. The background features a light grey grid with faint geometric shapes and a circular pattern on the left.

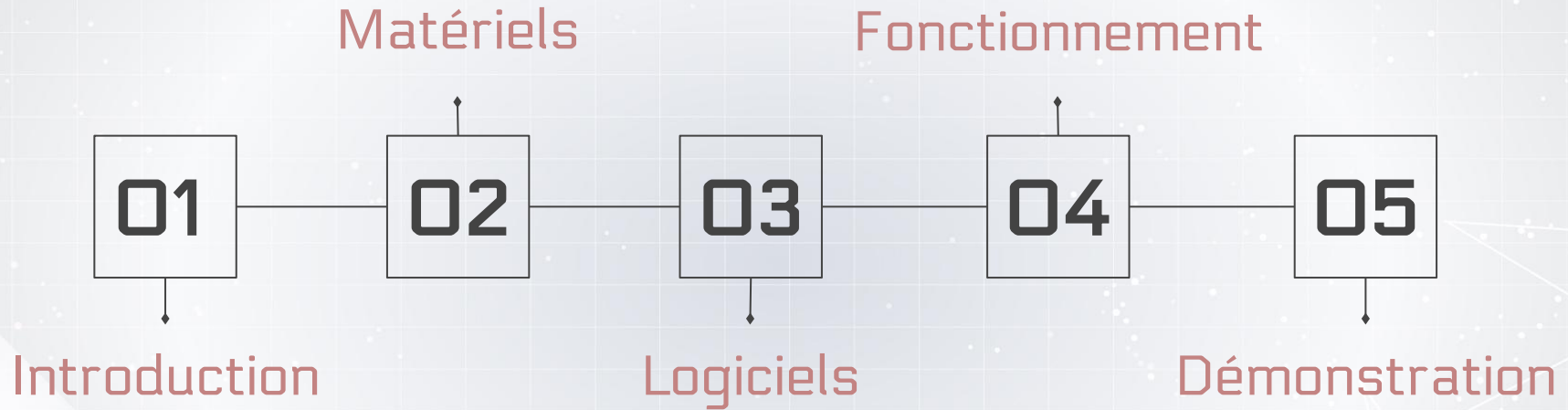
Détection des émotions

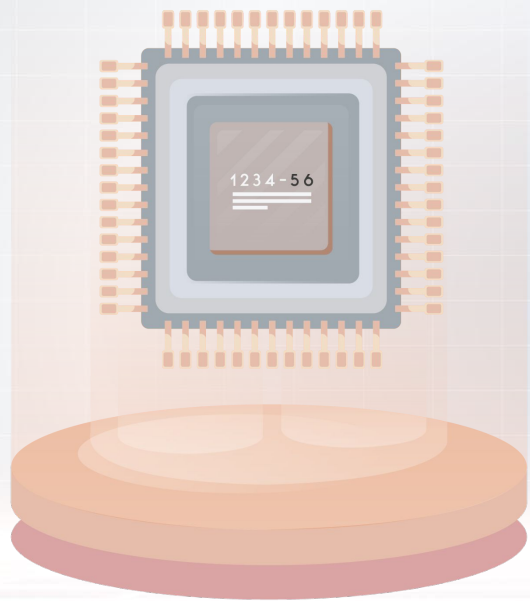
Avec Raspberry Pi 4

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Zangar Malak- Belhadj Mohamed Fahd

PLAN

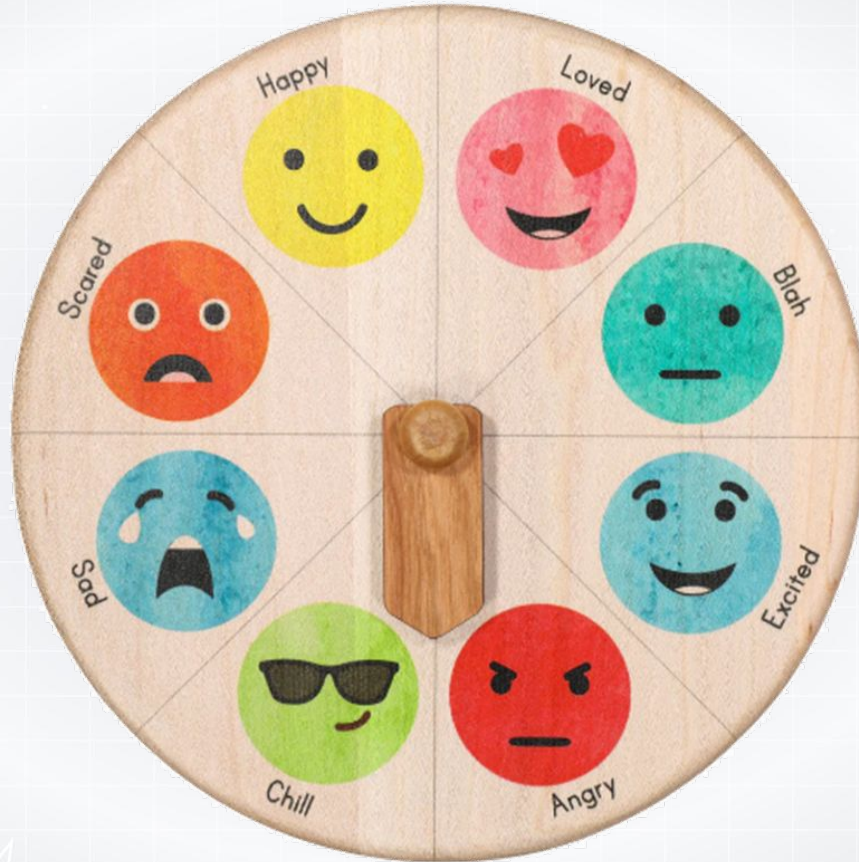





01

INTRODUCTION

Contexte



Domaines D'application



Santé
Mentale

Education

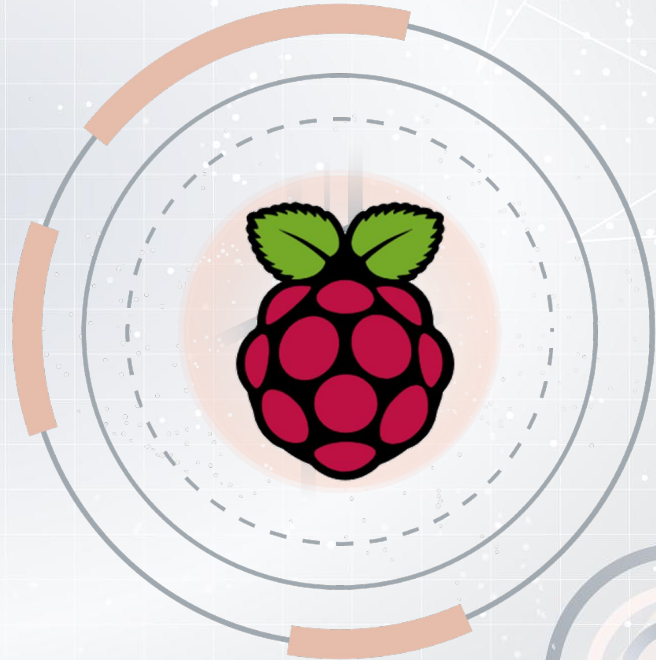
Interaction
Homme
Machine

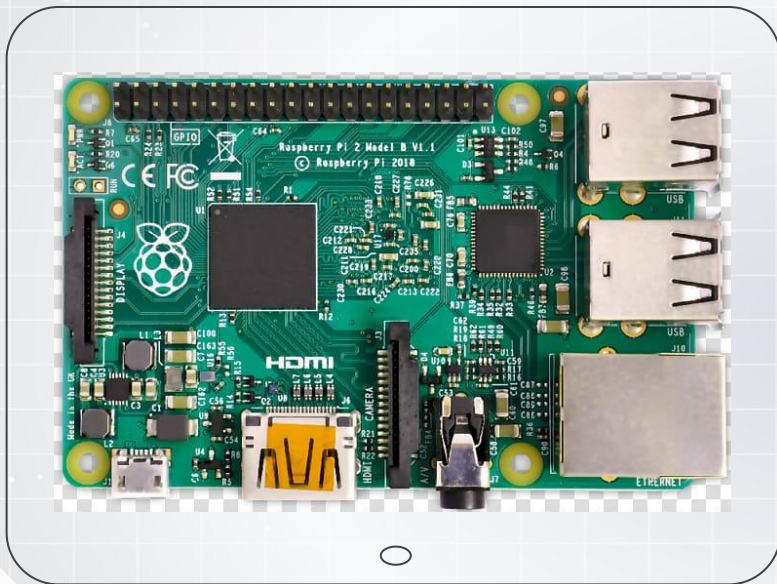
Recrutement
& RH

Marketing &
ExpClient

Sécurité &
Surveillance

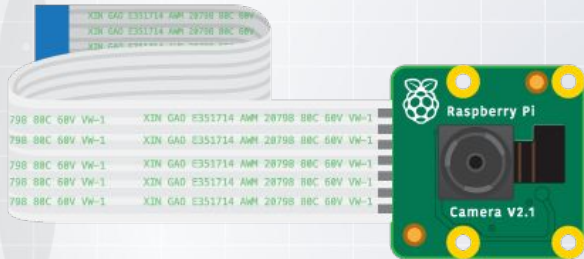
02 Matériels





Raspberry Pi 4



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[illegible]

03 Logiciels



CODE RASPBERRY PI

Système d'exploitation Raspbian	
Python	

Open CV	
Numpy	
Tensorflow	
Pyrebase	

Application Mobile

Java



Android Studio



Firebase

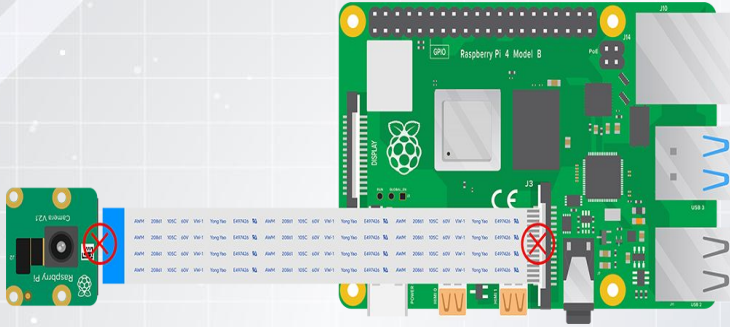




04

Fonctionnement

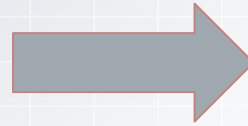
Fonctionnement du Système



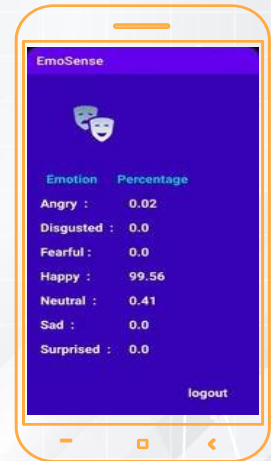
Raspberry Pi



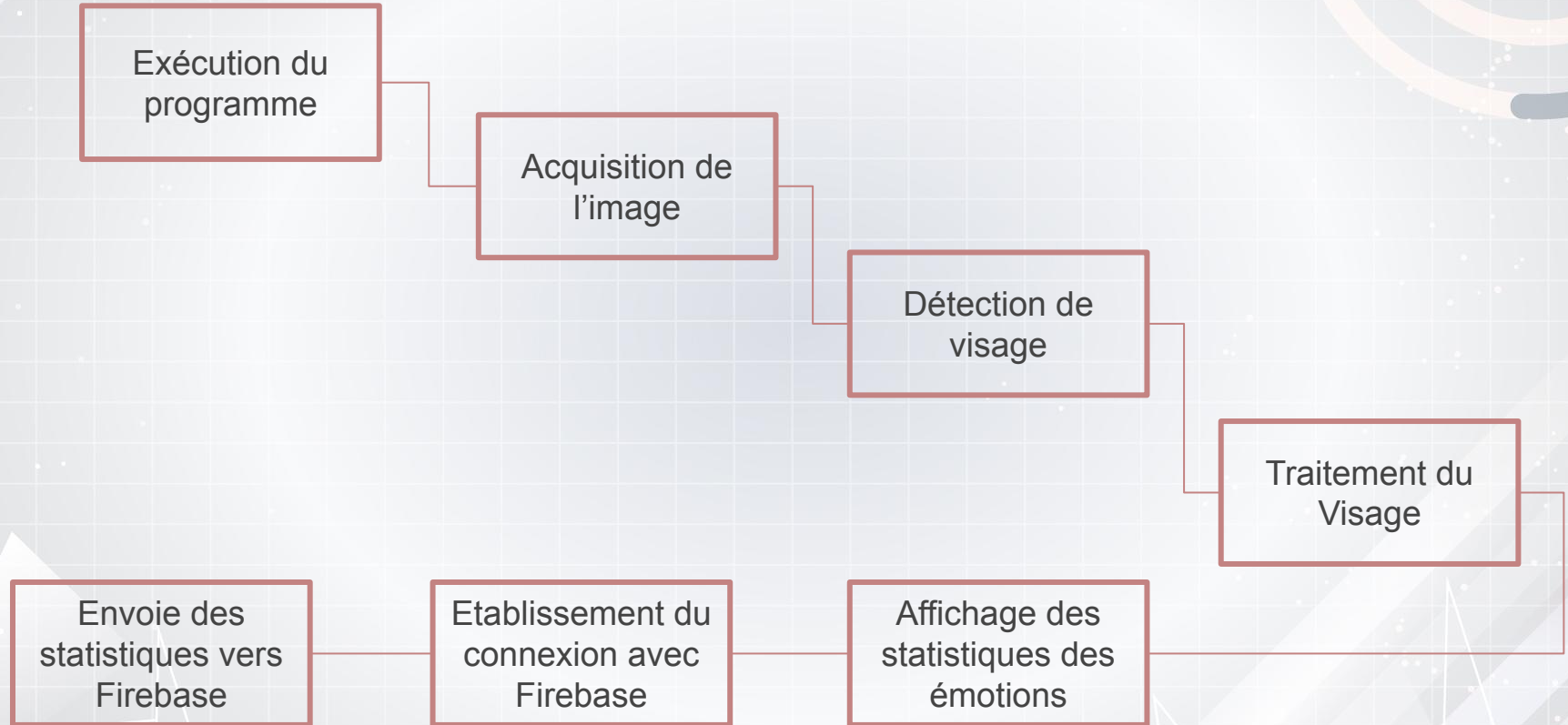
Firebase Realtime



*EmoSense
Application*



Processus du Raspberry Pi



Processus du Firebase RealTime

Etablissement de
connexion avec la carte
Raspberry Pi

Sauvegarder les
données reçus dans
Firebase Realtime
Database

Etablissement de
connexion avec
l'application Emosense

Processus de l'application EmoSense

Authentification

Etablissement de
connexion avec
Firebase

Récupérer les
statistiques des
émotions de la base de
donnée

Démonstration

A minimalist line-art illustration of a computer monitor. The screen is a large rectangle with rounded corners, and the number '05' is centered on it in a bold, black, sans-serif font. Below the screen is a small circle representing a camera or sensor, and at the very bottom is a simple trapezoidal stand. The background of the entire slide features a light gray grid pattern, with abstract geometric shapes and concentric circles in shades of blue and orange on the left and right sides.

05



MERCI POUR VOTRE
ATTENTION