

# REAL-TIME IMAGE-BASED EMERGENCY NOTIFICATION SYSTEM (RIENS)

## INTRODUCTION

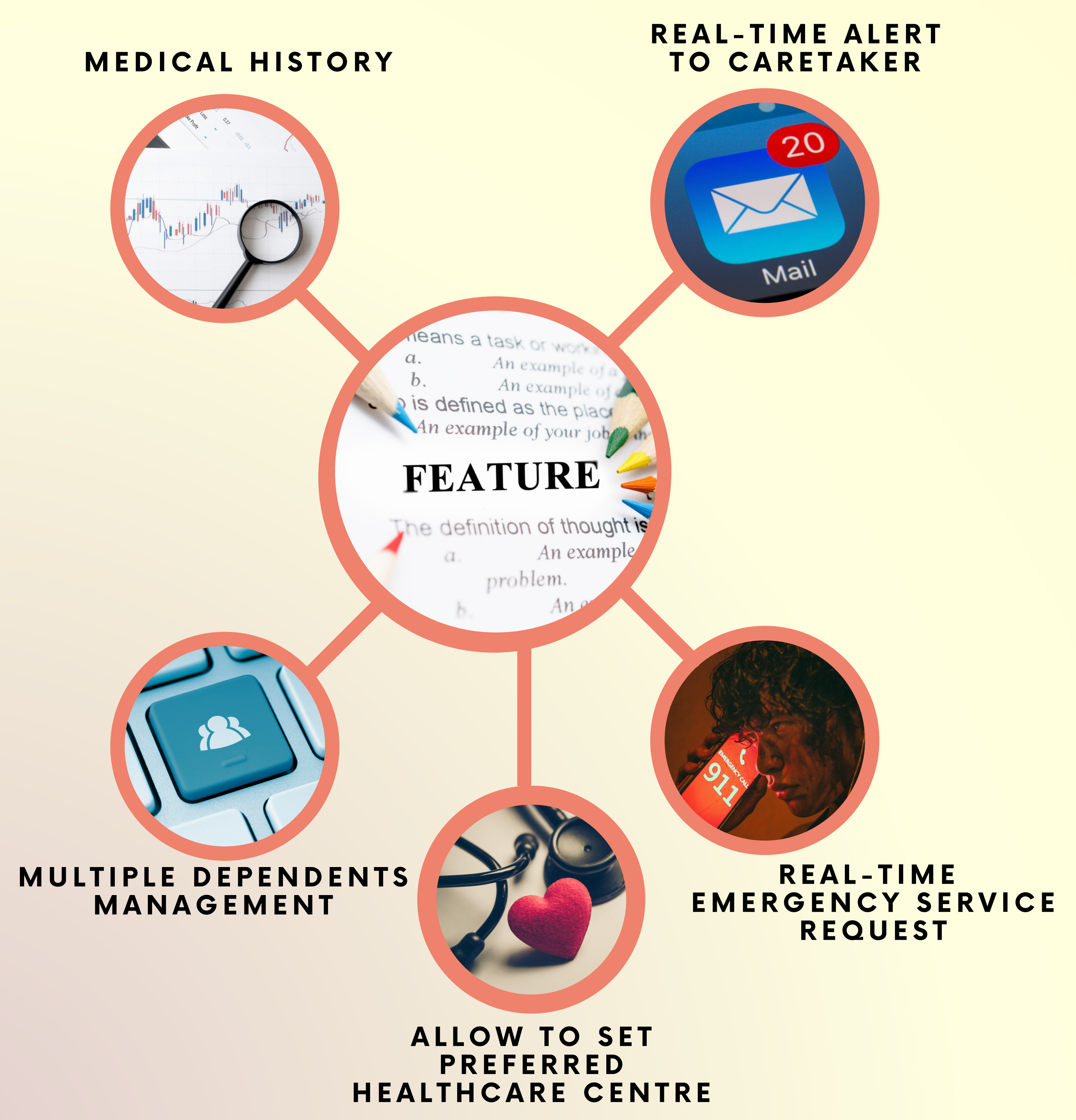


- Many **delayed dispatching** of **emergency services** were reported in many countries, including Malaysia.
- The main contributor to the delay was the **congestion of calls** in the emergency response center.
- Many **cases become worse** when the **emergency provider** arrives at the **scene late**.
- In the worst scenario, the **decrease rate increased** due to critical illness when the **medical services delayed their responses** and the **late discovery** of an **unconscious person**

## MAIN IDEAS



- Development of RIENS is to **improve the emergency response efficiency** and provide **early detection of unpredicted cases**, such as heart attack, SOS, fall down, etc.
- System comprises of **two parts** - **camera detection system** and **notifier system**.
- Camera detection system is to **identify the actions** of the user.
- Notifier is an essential element to **provide the accurate data** to the emergency center.
- **Medical history** of the user will be recorded in the notifier system to allow emergency responder to provide **specific treatment** if needed at the scene.

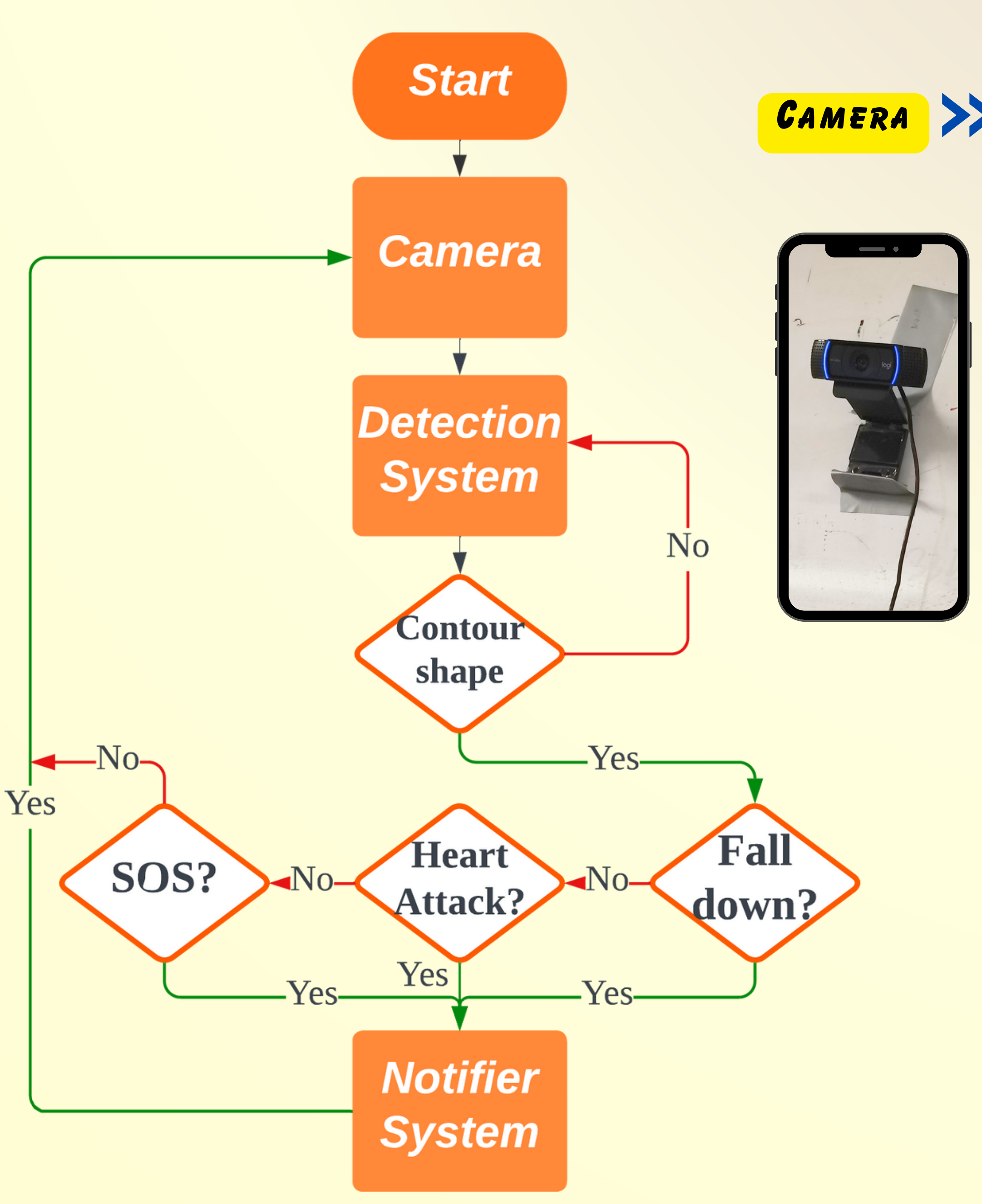


## POTENTIAL MARKET

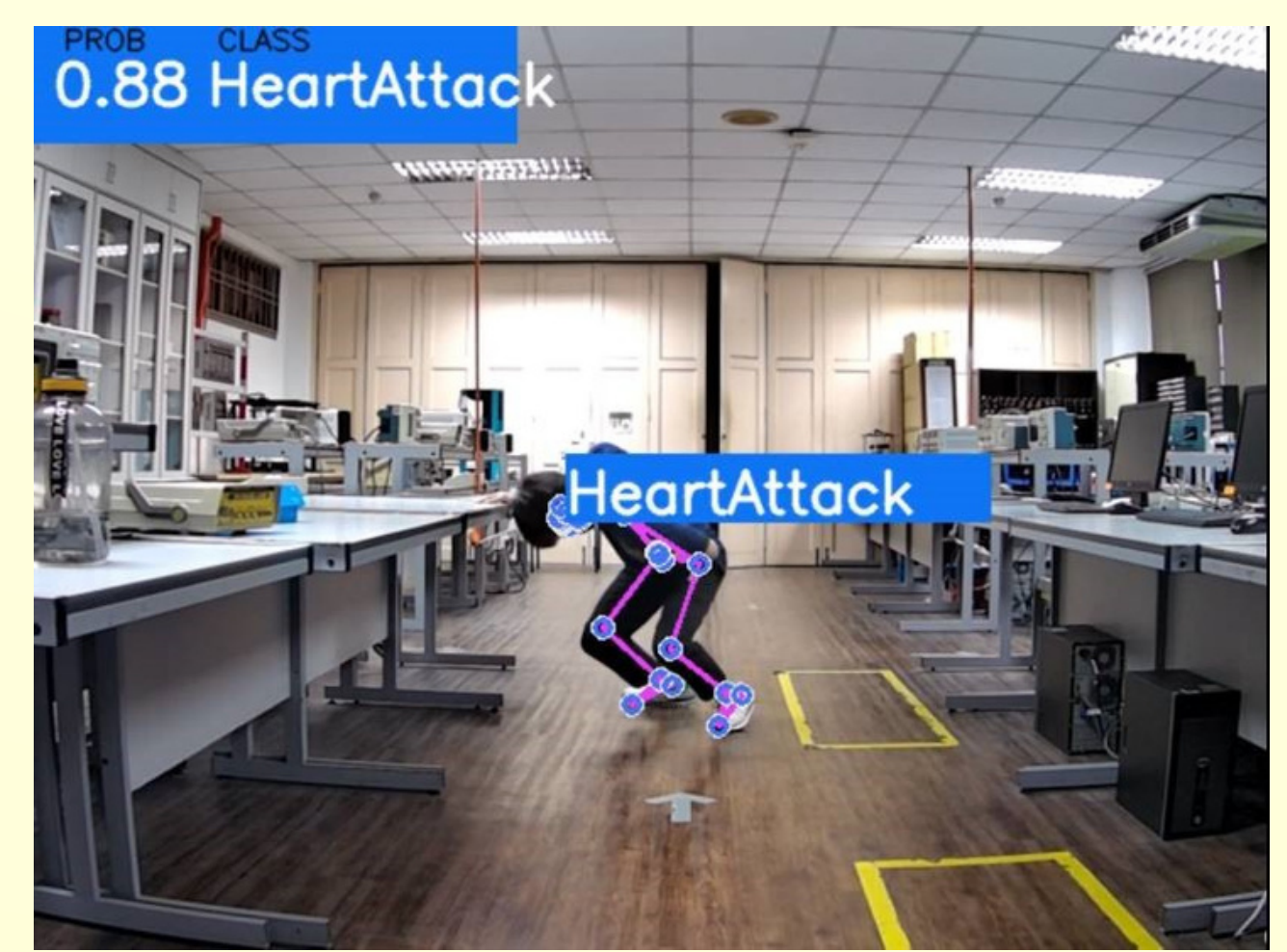
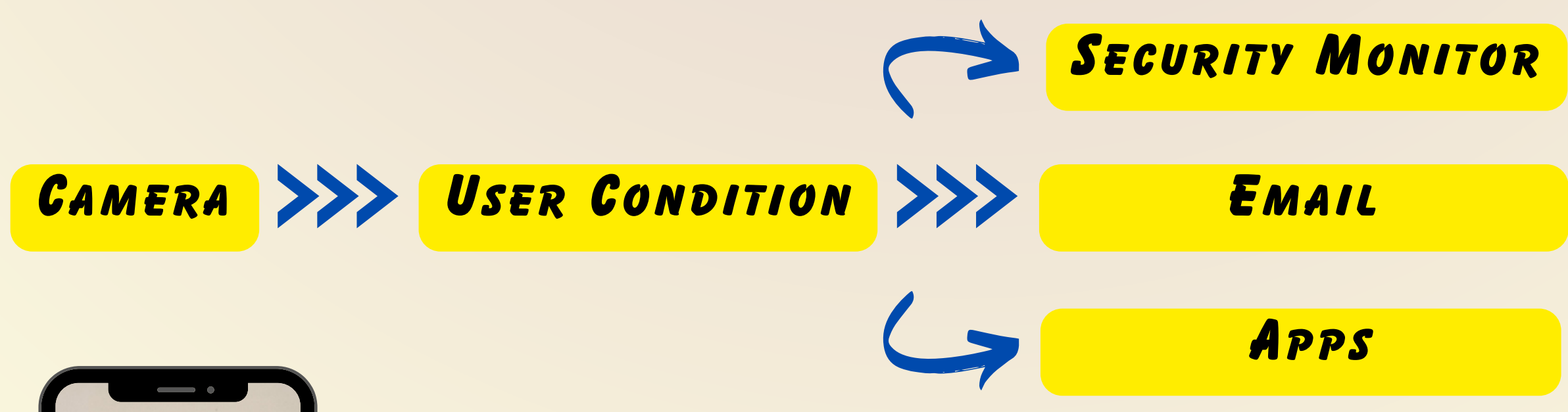


- Nursing homes
- Hospitals
- Banks
- Sport Centers
- Security companies
- Home users
- Airports
- Public Transport stations

## TECHNICAL FLOW CHART



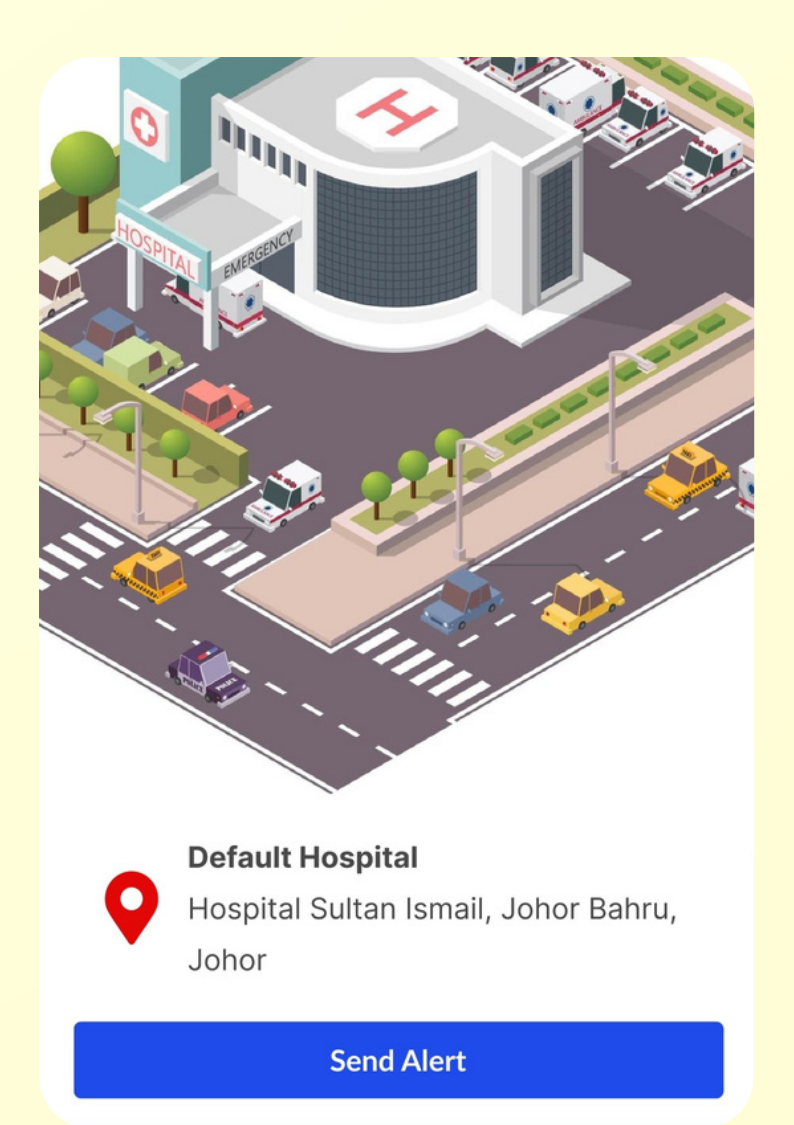
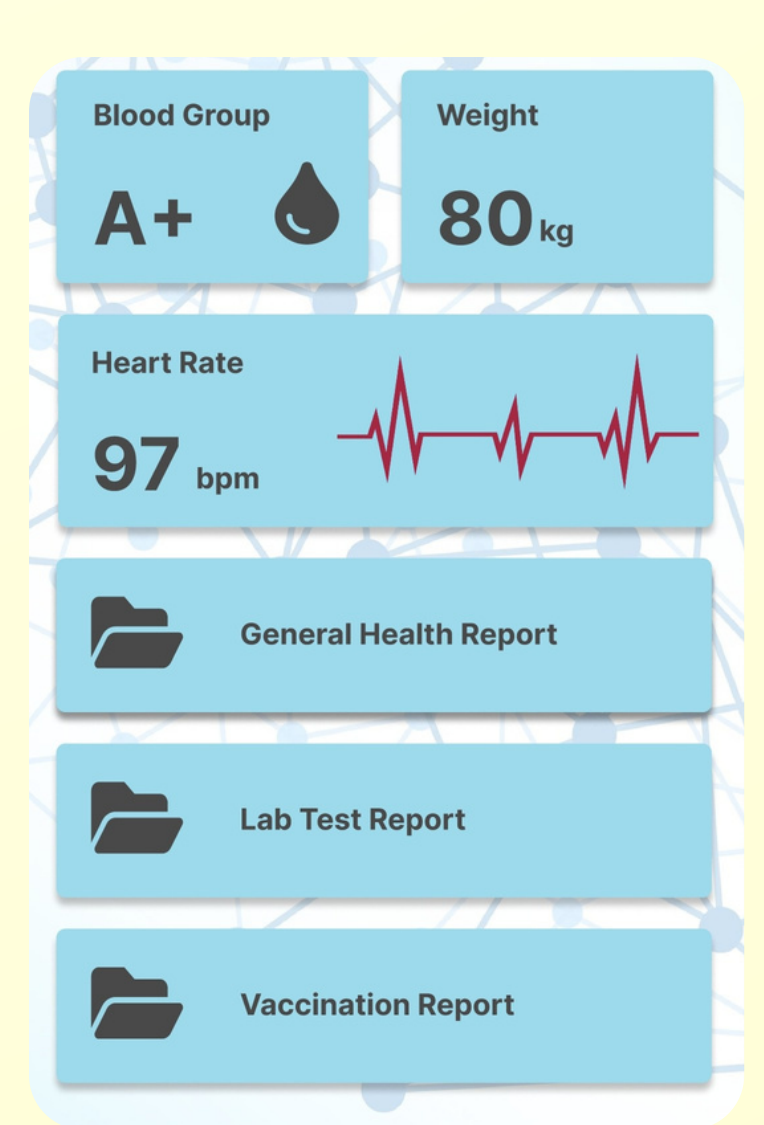
## SYSTEM ARCHITECTURE



## IMPACT TO SOCIETY



- **Improve the efficiency** of the emergency service provider
- **Reduce the burden** of caretakers.
- Improve **lifestyle and safety** in public.
- **Reduce the call congestion** in emergency call centers.
- Direct notification to the preferred healthcare center.



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