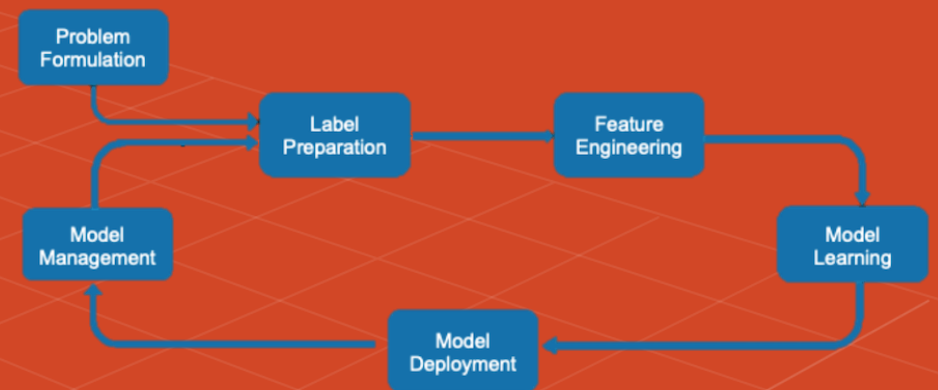


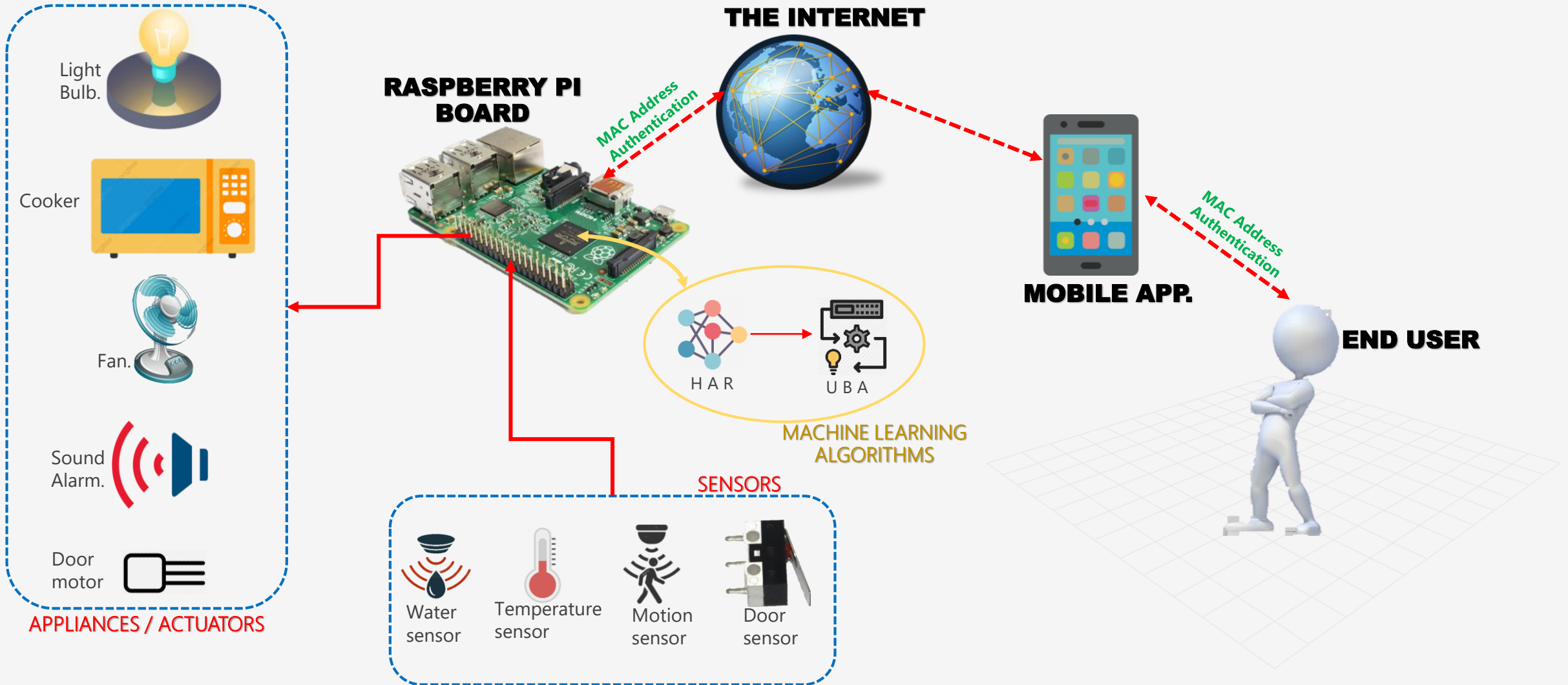
# SMART HOME AUTOMATION AND SECURITY SYSTEM.

POWERED BY MACHINE LEARNING ALGORITHM AND RASPBERRY PI.

**Machine learning is “a process”.**



# SYSTEM USE CASE DIAGRAM.



# SYSTEM USE CASE ILLUSTRATION.

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1 User Installs smart App.



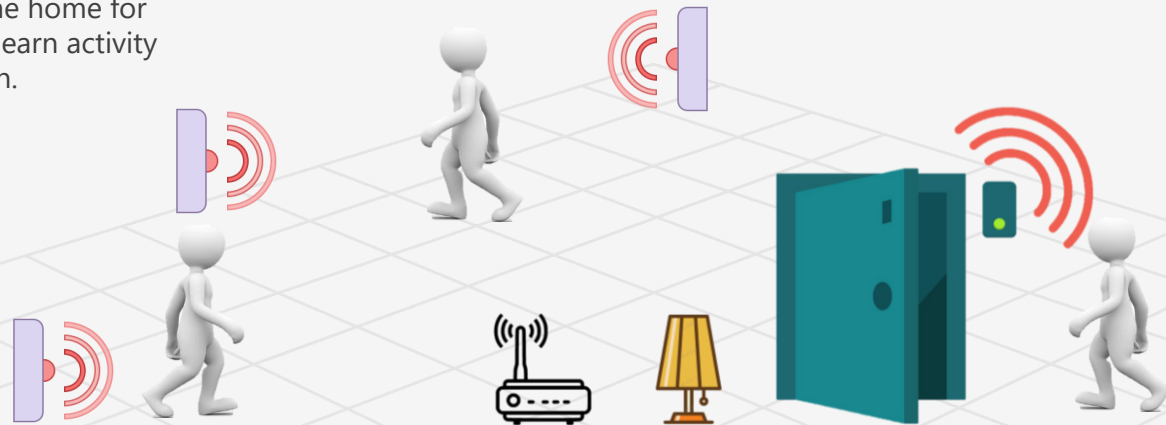
2 User Configures smart App with Home.



3 User enters the Smart home.



4 User walks round the home for home hardware to learn activity / behavioral pattern.



# SYSTEM USE CASE ILLUSTRATION.

5

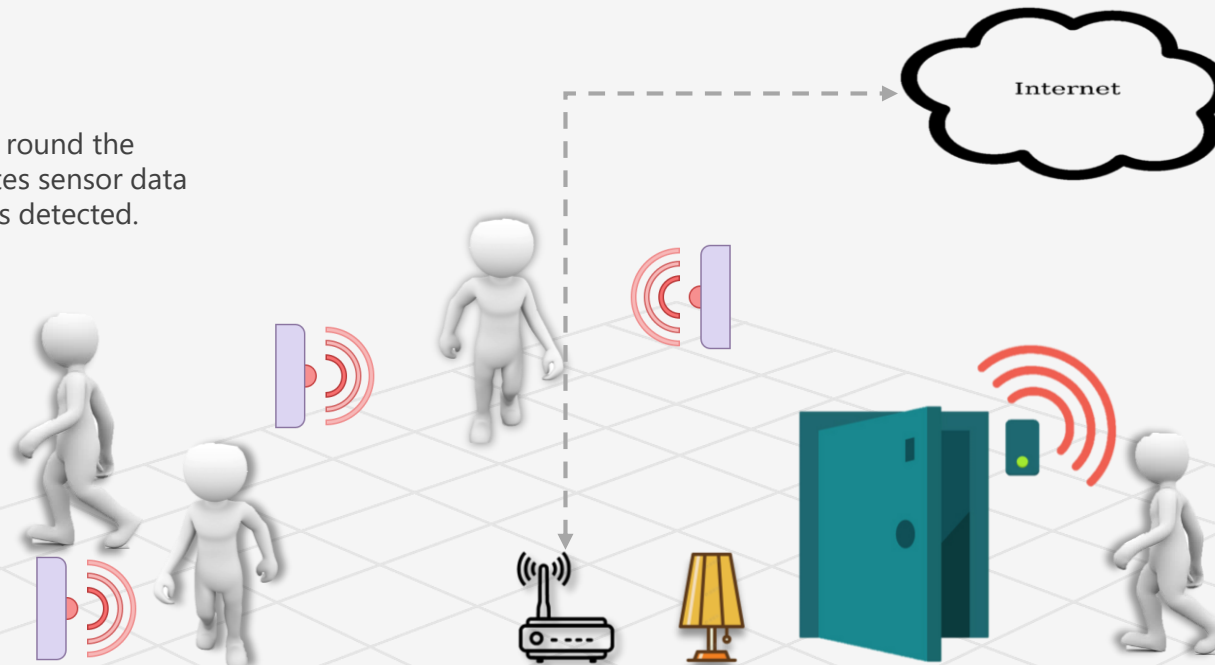
Upon User's absent, intruder gains entrance into smart home.



Home hardware alerts User of penitential threat via the Mobile app, over the internet.

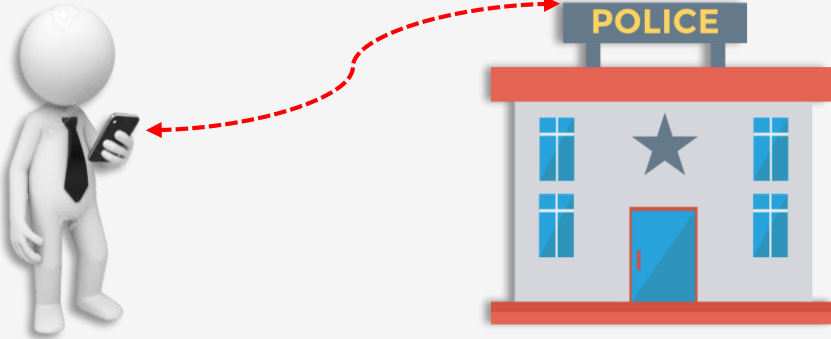
6

As Intruder walks round the home, hard collates sensor data and an anomaly is detected.



# SYSTEM USE CASE ILLUSTRATION.

7



Upon receiving the alert, User responds by notifying the police, based on level of threat.

10

Home is safe again, and User is happy.



8

Police immediately intervenes by dispatching patrol team to the home.



9

Intruder is caught by the police and arrested.

