4 THE PEOPLE

imbibe and inspire

TEAM

NAZIM

AMAL

SAYOOJ

ATHUL

THE PATH OF INSPIRATION

1898-2018

120 YEARS

1898 — **Tesla remote boat**

1945 — **World war 2 ends**
People don't know who Harvey is

1959 — **Harvey Ball Advertising**
Enters into ad making

1963 — **SMILEY**
He designs the smiley

1969 — **balls**

1970

1971 — **ALOHAnet**
First wireless network

1972 — **MICROCONTROLLER**
Demand began to increase

1984 — **Smart Homes**
Idea of mart homes was put forth

1996 — **Clapper**
Was invented, marked the first step to smart homes

1997

1998 — **Millenium British Home excibition**
First smart home excibition

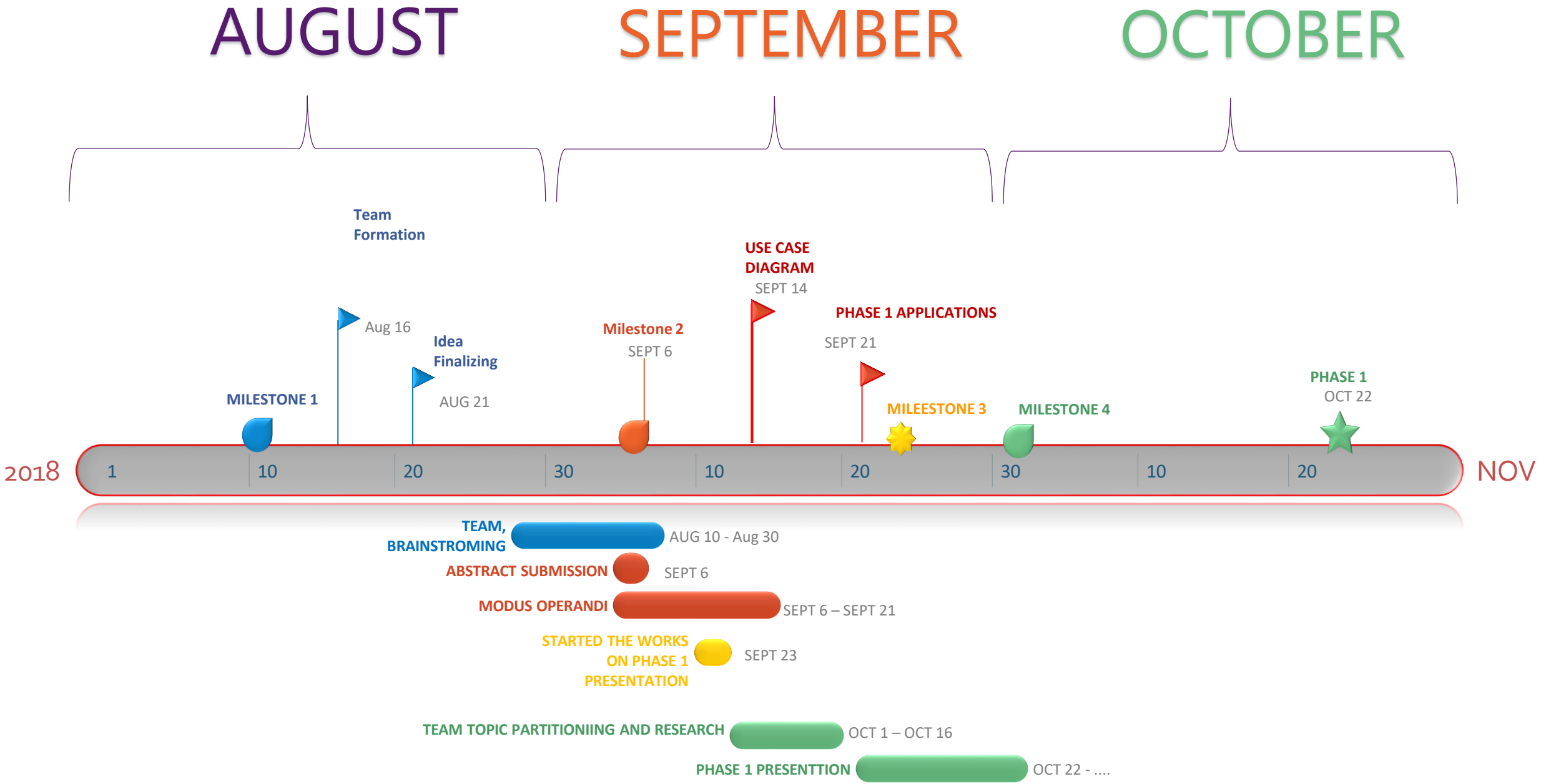
2011 — **SIRI**
Initial Launch of SIRI

2014 — **Alexa**
Initial Launch

2016 — **Google Assistant**
Initial Launch

2018

4 THE PEOPLE
imbibe and inspire


AUGUST
SEPTEMBER
OCTOBER
Team Formation
Aug 16
Idea Finalizing
AUG 21
MILESTONE 1
Milestone 2
SEPT 6
USE CASE DIAGRAM
SEPT 14
PHASE 1 APPLICATIONS
SEPT 21
MILEESTONE 3
MILESTONE 4
PHASE 1
OCT 22
2018
1
10
20
30
10
20
30
10
20
NOV
TEAM, BRAINSTROMING
AUG 10 - Aug 30
ABSTRACT SUBMISSION
SEPT 6
MODUS OPERANDI
SEPT 6 – SEPT 21
STARTED THE WORKS ON PHASE 1 PRESENTATION
SEPT 23
TEAM TOPIC PARTITIONIING AND RESEARCH
OCT 1 – OCT 16
PHASE 1 PRESENTTION
OCT 22 - ....

ABSTRACT

FORMER TITLE : BALL-E

MODEL : SPHERE

We are familiar with the popular home assistant Alexa, Google Assistant, Siri etc.

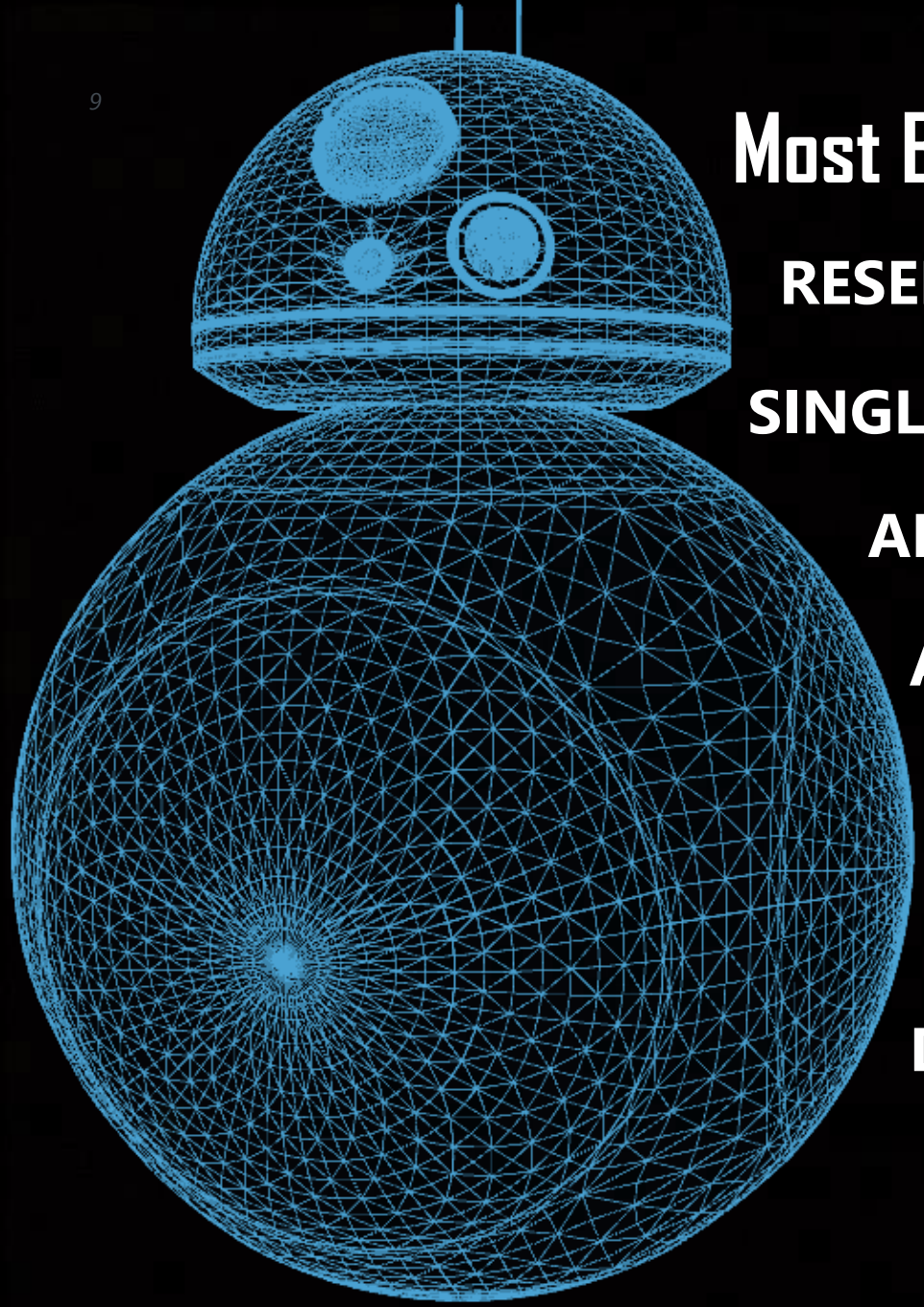
What if these could do more and still be compact, flexible, light, fast and easily portable?

That is the idea we chose to share, a spherical shaped home assistant with many more facilities and functions than the three of'em mentioned above could handle together including voice, image recognition, and also can follow us like out pet and be multipurpose in action.

JOY

What Is JOY!

Knowing it better



Most Basically, it's something that rolls..

RESEMBLES BB-8

SINGLE KEYED DOMOTIC SYSTEM

APPLICATION OF IoT

ASSET FOR THE FUTURE SMART HOMES

PROGRAMMABLE MULTIPURPOSE SYSTEM

ACCESSABILITY AND CONNECTABILITY

DEIGNED TO BE PERFECT

The Internet of things (IoT) is the network of physical devices, vehicles, home appliances, and other items embedded with electronics, software, sensors, actuators, and connectivity which enables these things to connect, collect and exchange data.

BB-8 is an astromech droid that appears on Star Wars Episode VII - The Force Awakens. It has a ball shaped body and a domed head that resembles that of the R2 series droids, whose most popular unit is R2-D2. BB-8's body rolls independently from the head, which always stays near the vertical axis of the droid.

© & ™ Lucasfilm Ltd.

USER VIEW

KEEPING AN EYE ON THE ROLLIN'

Although fully automated, we can view the processes through our lap or smartphone which I connected to joy via internet.

The middle layer of the sphere has a 360 vision camera with 90% coverage of stills.

Commands could also be given via this device like : “Clean the floor at 8 AM”, “Switch off the AC at 9PM”, “Make an appointment at the saloon at 5PM” etc

It’s voice recognition is similar to that of google assistant and alexa

The maximum number of devices that can be connected shall be upgraded as time says to.

PROS AND CONS

PROS

1.Light weight , compact, easily transportable

2.Manually Programmable for multipurpose

3.Runs on android, ios, windows platforms

Whole smart home configuration can be done at this single device

Secured network.. And the administrator retina/fingerprint recognized program rescheduling

Doesn't care about the power source.

CONS

1.Compact, hence complex in making and fixing

2. Large number of threads may cause time delays

3. Updating maybe somewhat long process as it should support different OS

4. May not roll efficiently on terrains (maybe upgraded)

5.Need support arms to climb stairs..

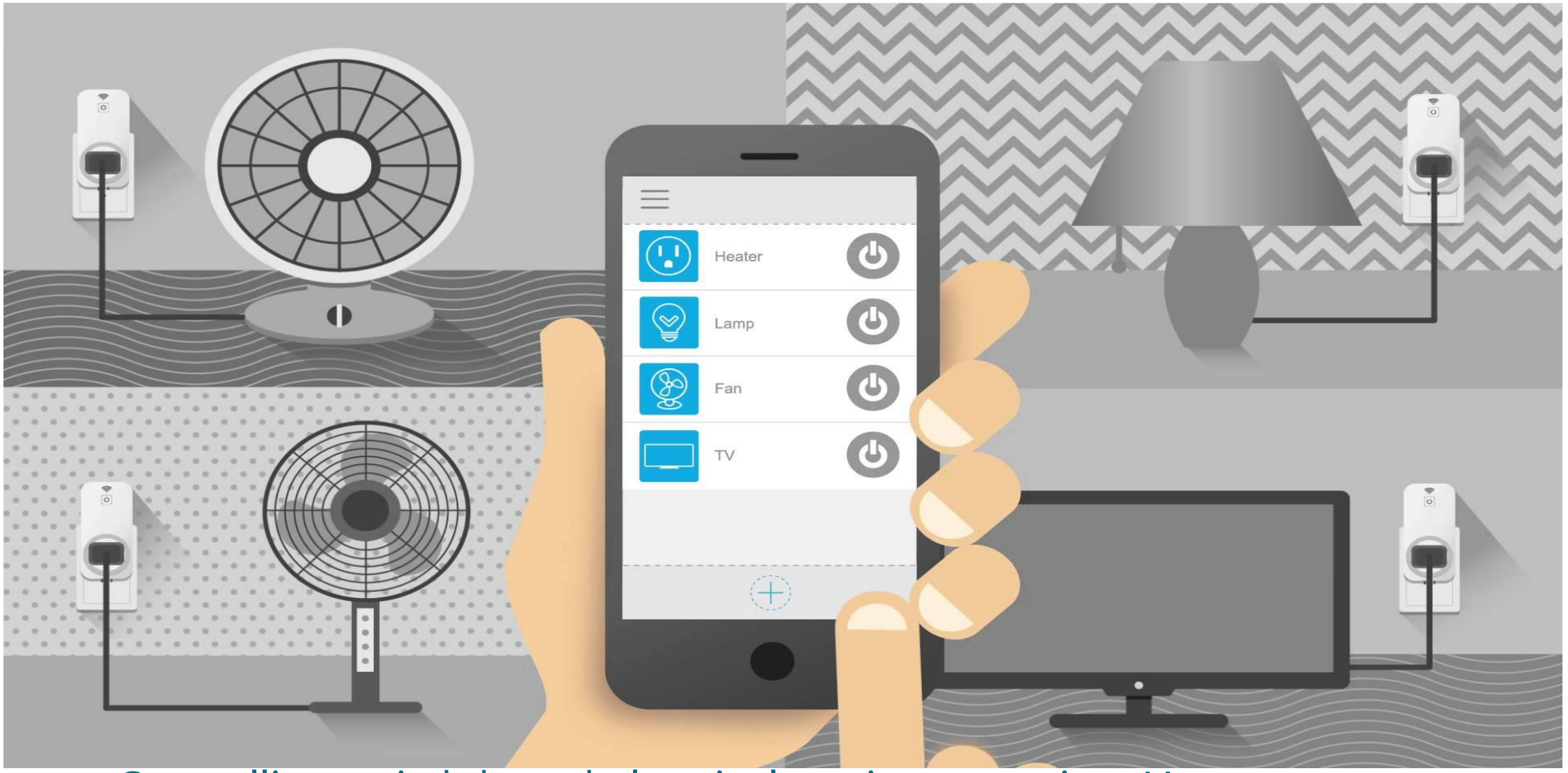
PHASE 1

JOY 1.0

Just an alternative to other home assistants like Alexa.

The difference in the mode of operation is how it responds and the way it recognizes commands

PHASE 2

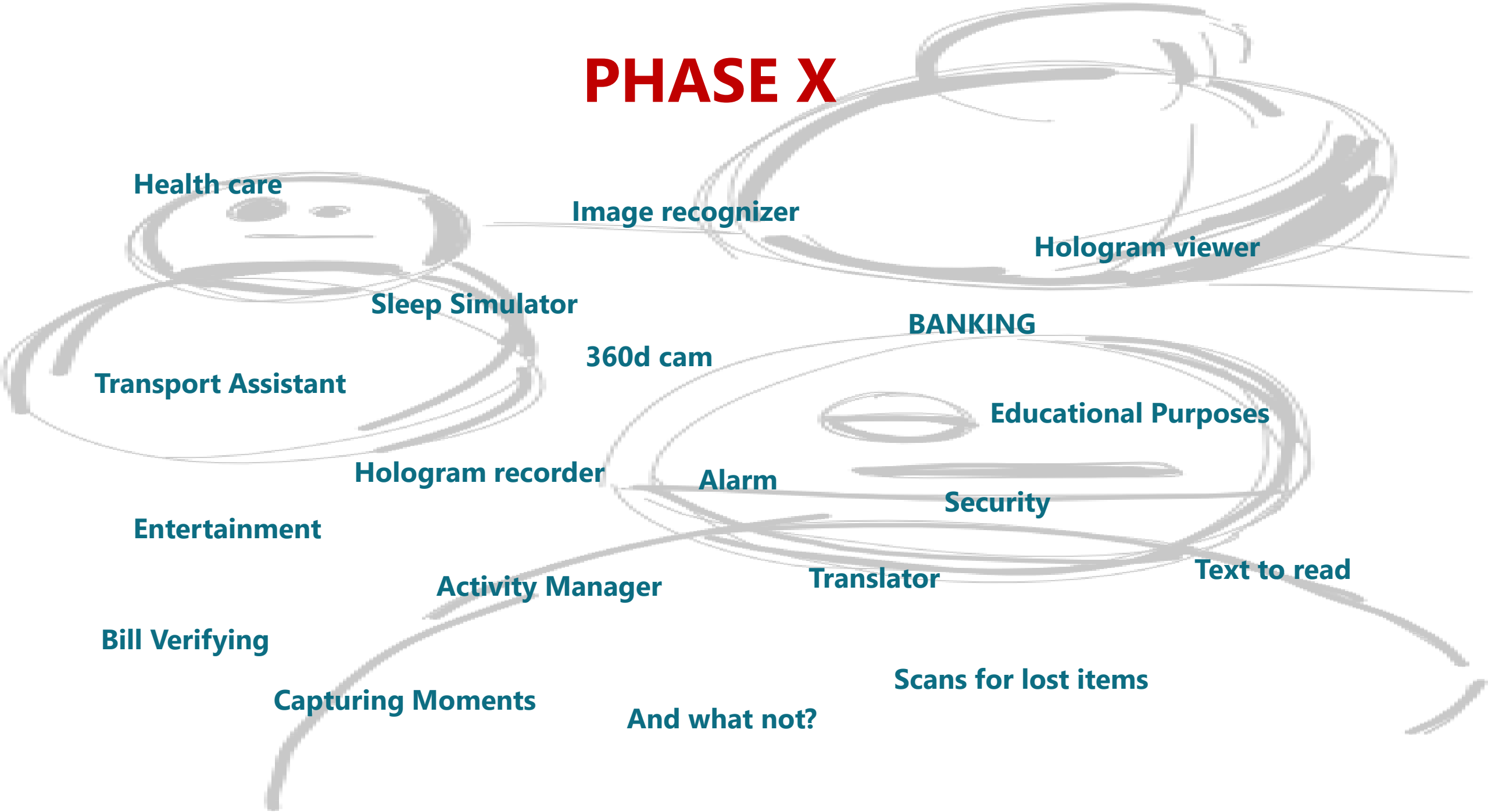


Controlling switch based electrical equipment using AI

PHASE 3

Guiding Vacuum cleaners using ML algorithm to find contaminants

PHASE X


Health care
Image recognizer
Hologram viewer
Sleep Simulator
BANKING
360d cam
Transport Assistant
Educational Purposes
Hologram recorder
Alarm
Security
Entertainment
Text to read
Activity Manager
Translator
Bill Verifying
Scans for lost items
Capturing Moments
And what not?