

USER

**CARE
RECIPIENT**



USER

**CARE
RECIPIENT**



USER

**CARE
RECIPIENT**



USER

**CARE
RECIPIENT**



USER

**CARE
RECIPIENT**



USER

**CARE
RECIPIENT**



USER

**CARE
RECIPIENT**



USER

**CARE
RECIPIENT**



USER

**CARE
RECIPIENT**



Healthy Senior

USER · CARE RECIPIENT

Senior Caring for Others

USER · CARE RECIPIENT

Person with A Chronic Disease

USER · CARE RECIPIENT

Senior Still Working

USER · CARE RECIPIENT

Senior with Diseases

USER · CARE RECIPIENT

Senior Living Alone

USER · CARE RECIPIENT

USER · CARE RECIPIENT

USER · CARE RECIPIENT

USER · CARE RECIPIENT

USER

CAREGIVER



USER

CAREGIVER



USER

CAREGIVER



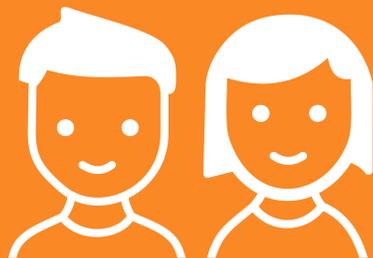
USER

CAREGIVER



USER

CAREGIVER



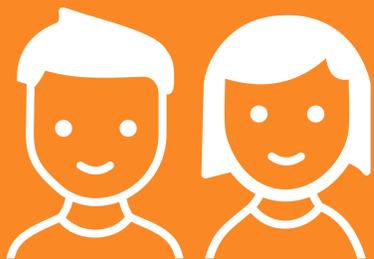
USER

CAREGIVER



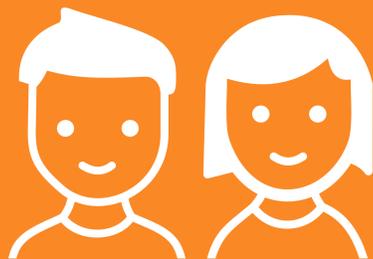
USER

CAREGIVER



USER

CAREGIVER



USER

CAREGIVER



Spouse

USER · CAREGIVER

Parent

USER · CAREGIVER

Neighbour

USER · CAREGIVER

Robot

USER · CAREGIVER

Pet

USER · CAREGIVER

**Staff Member
in Various
Contexts**

USER · CAREGIVER

Netizen

USER · CAREGIVER

Friend

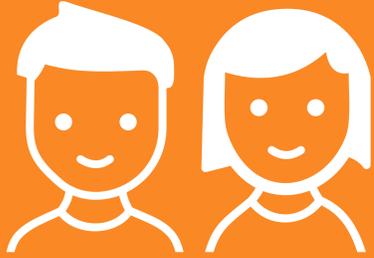
USER · CAREGIVER

**Friend of
Friend/Family**

USER · CAREGIVER

USER

CAREGIVER



USER

CAREGIVER



USER

CAREGIVER



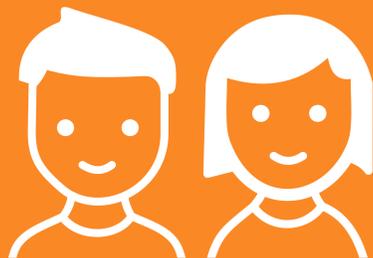
USER

CAREGIVER



USER

CAREGIVER



USER

CAREGIVER



USER

CAREGIVER



USER

CAREGIVER



USER

CAREGIVER



Children

USER · CAREGIVER

**Family at a
Distance**

USER · CAREGIVER

Volunteer

USER · CAREGIVER

Colleague

USER · CAREGIVER

Delieverer

USER · CAREGIVER

Relative

USER · CAREGIVER

USER · CAREGIVER

USER · CAREGIVER

USER · CAREGIVER

SCENARIO



SCENARIO



SCENARIO



SCENARIO



SCENARIO



SCENARIO



SCENARIO



SCENARIO



SCENARIO



Sports

SCENARIO

Housekeeping

SCENARIO

Outdoors

SCENARIO

Sleeping

SCENARIO

**Emotional
Support**

SCENARIO

**Managing
Money**

SCENARIO

**Interacting
with People**

SCENARIO

Catering

SCENARIO

**Managing
Personal
Appearance**

SCENARIO

SCENARIO



SCENARIO



SCENARIO



SCENARIO



SCENARIO



SCENARIO



SCENARIO



SCENARIO



SCENARIO



Travelling

SCENARIO

**Bathing
& Showering**

SCENARIO

Walking Around

SCENARIO

Toileting

SCENARIO

**Listening to
Music
& Broadcast**

SCENARIO

**Taking
Medication**

SCENARIO

**Taking Pills
& Injection**

SCENARIO

Reading

SCENARIO

**Watching
Movies
& TV Series**

SCENARIO

SCENARIO



SCENARIO



SCENARIO



SCENARIO



SCENARIO



SCENARIO



SCENARIO



SCENARIO



SCENARIO



**Writing
& Drawing**

SCENARIO

**Singing
& Dancing**

SCENARIO

**Participating
in an
Interest Group**

SCENARIO

SCENARIO

SCENARIO

SCENARIO

SCENARIO

SCENARIO

SCENARIO

CONTEXT



CONTEXT



CONTEXT



CONTEXT



CONTEXT



CONTEXT



CONTEXT



CONTEXT



CONTEXT



Kltchen

CONTEXT

Living Room

CONTEXT

Bathroom

CONTEXT

Dining Room

CONTEXT

**Pub
& Social Club**

CONTEXT

Balcony

CONTEXT

Stairs

CONTEXT

Garden

CONTEXT

Bedroom

CONTEXT

CONTEXT



CONTEXT



CONTEXT



CONTEXT



CONTEXT



CONTEXT



CONTEXT



CONTEXT



CONTEXT



Street

CONTEXT

Park

CONTEXT

**Church
& Temple**

CONTEXT

**Museum
& Gallery**

CONTEXT

**Plane
& Ship**

CONTEXT

**Bus
& Train**

CONTEXT

Car

CONTEXT

**Theatre
& Cinema**

CONTEXT

**Shop
& Shopping Mall**

CONTEXT

CONTEXT



CONTEXT



CONTEXT



CONTEXT



CONTEXT



CONTEXT



CONTEXT



CONTEXT



CONTEXT



Hill & Mountain

CONTEXT

Beach

CONTEXT

Pavement

CONTEXT

CONTEXT

CONTEXT

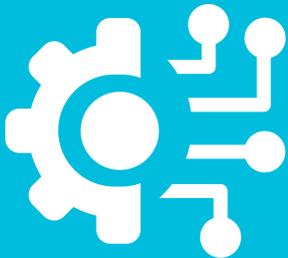
CONTEXT

CONTEXT

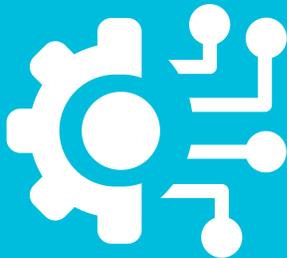
CONTEXT

CONTEXT

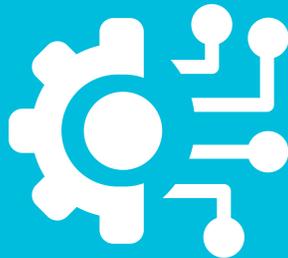
**TECHNICAL
OPPORTUNITY**



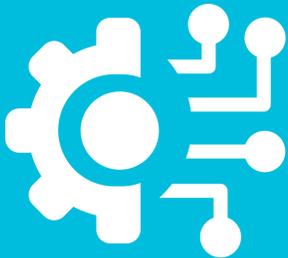
**TECHNICAL
OPPORTUNITY**



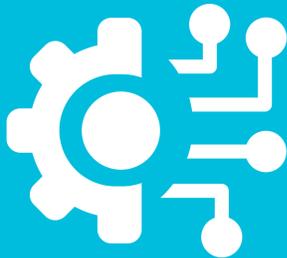
**TECHNICAL
OPPORTUNITY**



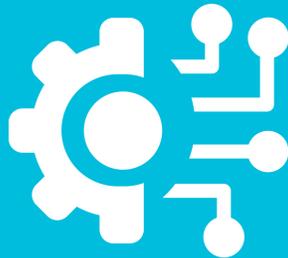
**TECHNICAL
OPPORTUNITY**



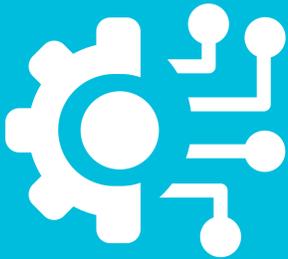
**TECHNICAL
OPPORTUNITY**



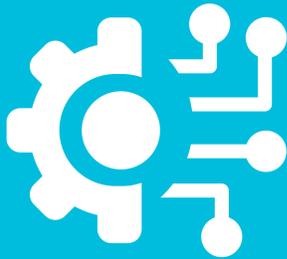
**TECHNICAL
OPPORTUNITY**



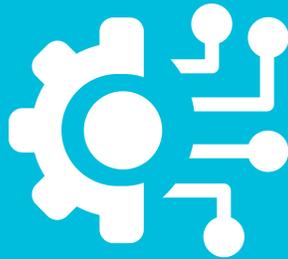
**TECHNICAL
OPPORTUNITY**



**TECHNICAL
OPPORTUNITY**



**TECHNICAL
OPPORTUNITY**



Environment Perception

- Light sensor
- Temperature sensor
- Moisture sensor
- Gas/dust sensor
- Air pressure sensor

TECHNICAL OPPORTUNITY

Distance & Location Perception

- Ultrasonic distance sensor
- Digital compass
- GPS module

TECHNICAL OPPORTUNITY

Motion Perception

- Rotation sensor
- Acceleration sensor
- Presence/motion sensor
- Entrance/exit sensor

TECHNICAL OPPORTUNITY

Sight Perception

- Camera
- Screen
- Projector

TECHNICAL OPPORTUNITY

Sound Perception

- Microphone
- Sound Trigger
- Speaker

TECHNICAL OPPORTUNITY

Touch Perception

- Button
- Touch sensor
- Touch area/pad/screen
- Magnetic field sensor
- Keyboard

TECHNICAL OPPORTUNITY

Tag & Reader

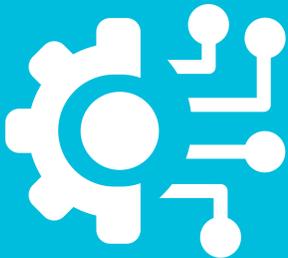
- RFID (Radio Frequency Identification) : using electromagnetic fields to automatically identify and track tags attached to objects
- NFC (Near Field Communication) : a set of wireless technologies typically requiring a distance of 4cm or less to initiate a connection.

TECHNICAL OPPORTUNITY

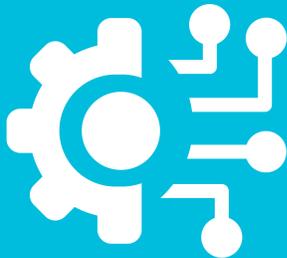
TECHNICAL OPPORTUNITY

TECHNICAL OPPORTUNITY

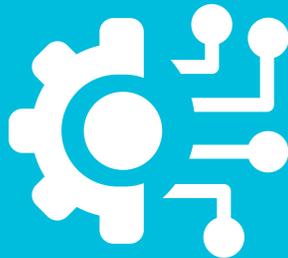
**TECHNICAL
OPPORTUNITY**



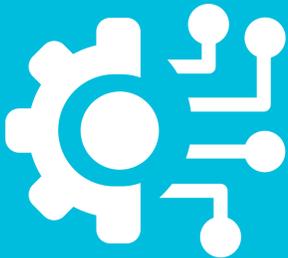
**TECHNICAL
OPPORTUNITY**



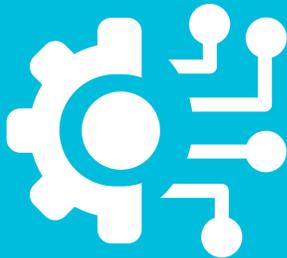
**TECHNICAL
OPPORTUNITY**



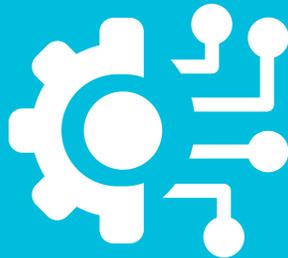
**TECHNICAL
OPPORTUNITY**



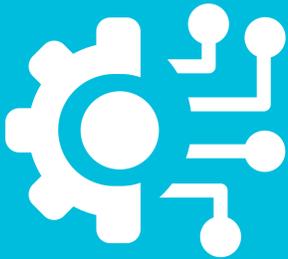
**TECHNICAL
OPPORTUNITY**



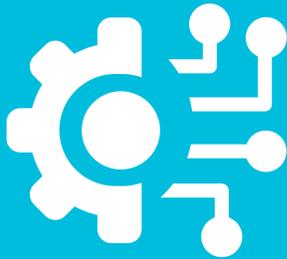
**TECHNICAL
OPPORTUNITY**



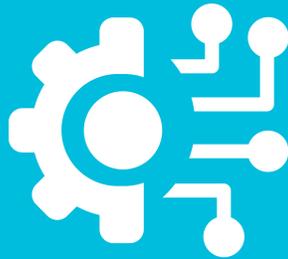
**TECHNICAL
OPPORTUNITY**



**TECHNICAL
OPPORTUNITY**



**TECHNICAL
OPPORTUNITY**



Cloud Computing

The delivery of computing services over the Internet to offer faster innovation, flexible resources, and economies of scale.

TECHNICAL OPPORTUNITY

Edge Computing

A networking philosophy focused on bringing computing as close to the source of data as possible in order to reduce latency and bandwidth use.

TECHNICAL OPPORTUNITY

Speech Recognition

A capability which enables a program to process human speech into a written format.

TECHNICAL OPPORTUNITY

Image Recognition

A capability which enables a program to identify an object or a feature in an image or video.

TECHNICAL OPPORTUNITY

Connectivity Technology

- Wi-Fi
- Bluetooth
- Mobile communication
- 4G/5G
- Wireless sensor network

TECHNICAL OPPORTUNITY

Healthcare Technology

- Blood glucose meter
- Pulse oximetry
- Thermometer
- Sphygmomanometer
- Heart rate monitor module

TECHNICAL OPPORTUNITY

Application Programming Interface (API)

API enables companies to open up their applications' data and functionality to external third-party developers within their companies.

TECHNICAL OPPORTUNITY

TECHNICAL OPPORTUNITY

TECHNICAL OPPORTUNITY