

Sphero-ball is a spherical robot with a free-moving domed head. It is white, with orange and silver accents and a black optical lens on its headpiece. Sphero-ball also possesses multiple panels containing various tools or ports.





The 21st century is a century for robotics. Robots have long borne the potential to bridge the gap between the cybernetic world and the physical world. Robotics is set to play an ever increasingly important role in society healthcare, building service, manufacturing, food production, logistics and transportation. The scheme of SPHERO-BALL comes from the idea of nomads in early days who were in dire need of navigation dolls. This system can act like a navigation doll for them. This versatile product can also serve as a strong influence for detecting metallic elements in the earth's crust in unattainable forms of lands such as bad land topographies.

The lucrative ideal robot comes with a visual camera on the top of its structure. This powerball will eventually be one of the finest creations in the futureland of robotics. Any sufficiently advanced technology is indistinguishable from magic

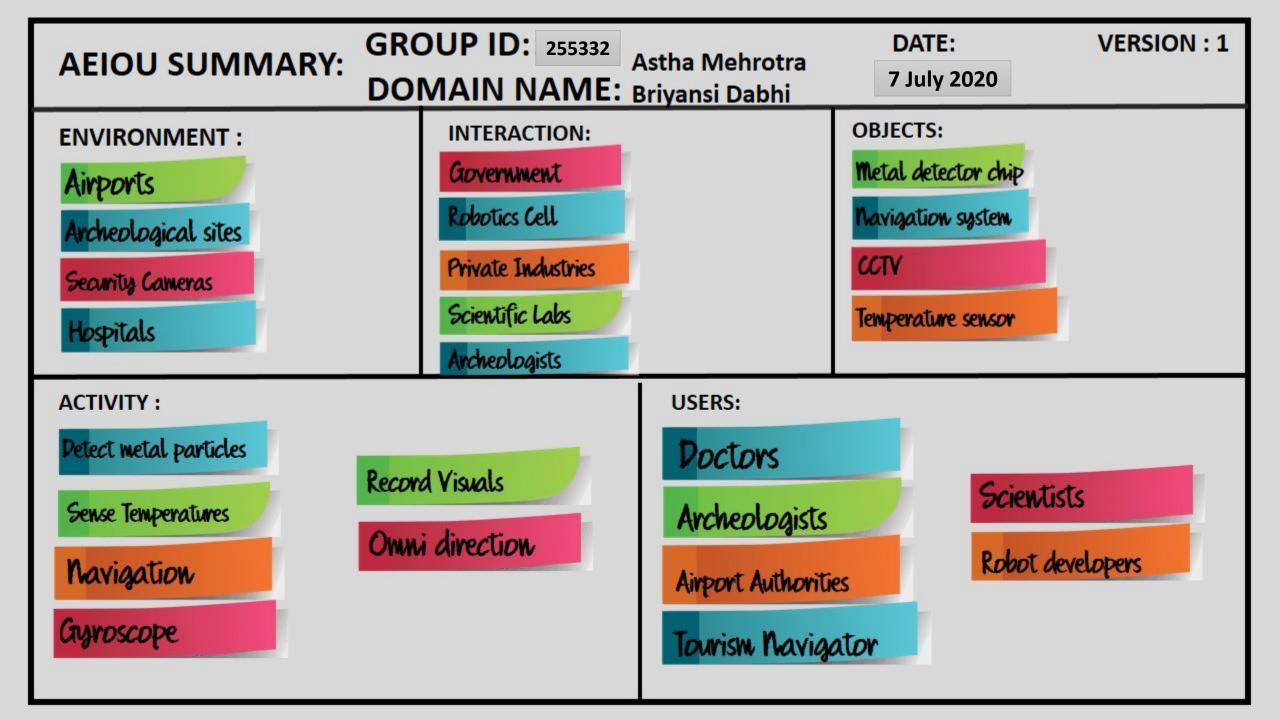


AEIOU CANVAS

AEIOU is an investigative tool to help interpret observations gathered by ethnographic practices in the field. It is an Observation tool. Its two primary functions are to code data, and to develop building blocks of models that will ultimately address the objectives and issues of a client.

AEIOU stands for 5 elements to be coded:

ACTIVITY 2. ENVIRONMENT 3. INTERACTION 4. OBJECT 5. USER



EMPATHY CANVAS

To define any user centric problem we need to know the user properly. That was what this canvas was all about. We thought of so many people but wanted to go for some people that mostly remain untouched by technology but are larger in number. They cover a large mass but are least touched with technology.

Design For: MBIT COLLEGE

(630)

Designed by: Astha Mehrotra Briyansi Dabhi

Date: 3 March

Tourism/Airports

Version: 1

STAKE HOLDER

Researchers

Security providers

ACTIVITY

USER

Detect Metal Particles

Poctors/Archeologists

Record visuals/ Gyroscope

Navi

Sense Temperature/ Onuni Direction

Navigation

STORYBOARD

HAPPY

This adorable little sphere was sent to earth's most impossible spot. It comes back with crucial factors and information like temperature, records visuals, finds metals etc.

HAPPY

Sphero is a unique astromech, a spherical droid that speaks to the wonder of physics. BB-8 is way more than just adorableness with a circumference, he is now a major part of the story of a galaxy far, far away.

SAD

There lived an old man, all alone, all by himself. One day, he was sound sleep and few robbers broke in and robbed him

SAD

Once an archeologist was on duty, on an ancient hill side. There was a cave, too small for him to get in and he almost missed the site because of that

MIND MAP CANVAS

Mind map is a diagram in which information is presented visually, usually with a central idea placed in the middle and associated ideas arranged around it. A mind map for the project "SPHERO" is made.

MIND MAP

TEAM: ASTHA MEHROTRA BRIYANSI DABHI

SPHERO

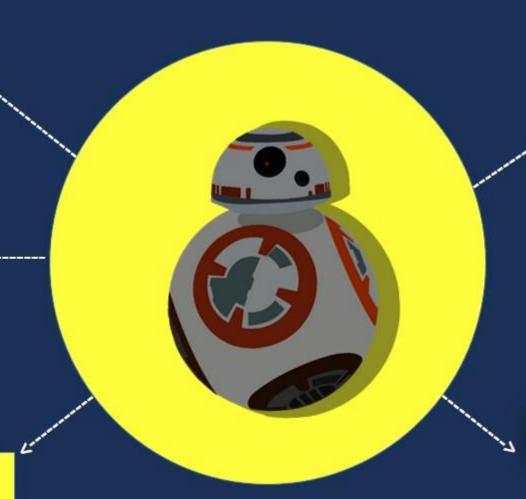
BALL

Props

- · Metal detector chip
- Alarm sensors
- Navigators
- Camera
- Magnets

Features

- Metal detector
- Temp. Sensor
- Camera
- Alarm system



Users

- Tourists
- Archeologists
- Doctors
- Airport Authorities
- Navigators
- Scientists

Stake holders

- · Client
- Dealers
- Researchers
- Government

IDEATION CANVAS

. At third week we started with Ideation Canvas where first we started with people, where we simply thought about the people for whom we want to solve the problem. So, our problem definition which we wanted to develop is 'SPHERO'. This canvas includes people, activity, situation, context, location and props, possible solution. People includes Doctors, Archeologists, Scientists, Robot developers et

PROJECT: Sphero-robo IDEATION CANVAS TEAM: 234556 Pilots PEOPLE Travel Buddy Archeologist Scientists Cinematographers Defense Government of ficials Astronaut Doctors/ Nurses Navigators Robotic Members Tourists **ACTIVITIES** SITUATION/LOCATION/CONTEXT OND Navigator **Detects Metal** Tourist spots Archeological sites Camera records visuals Robotics Cell Temperature Sensor Scientific Labs PROPS/TOOLS Metal detector chip Axis and Circuit

Temp. detector chip Magnets

Spherical Body

Sound chip

PRODUCT DEVELOPMENT CANVAS

Product development is a holistic process. It consists of a number of moving pieces, whether they are people, features, or hopes and dreams of client teams. This canvas adds structure to the chaos, and has become a central artifact in our variable design process. It can be applied to problems and businesses of all types and sizes. We use it when kicking off a new feature or product to inspire team alignment, and mitigate long-term risk.

By dusting off the granular details at the onset of a new project or product, we avoid stakeholder misalignment and tough conversations mid-way through, when tensions are high and resourcing is limited.

PRODUCT DEVELOPMENT CANVAS

TEAM: 234556

TEAM: Astha Mehrotra
Briyansi Dabhi

