

2015 PD INTERNATIONAL DESIGN WORKSHOP

Wearable of the future

ABOUT AR

SADI MDes

배준우

SKKU

권영대

SADI PD

한준섭
김혜진
정민선

SADI FD

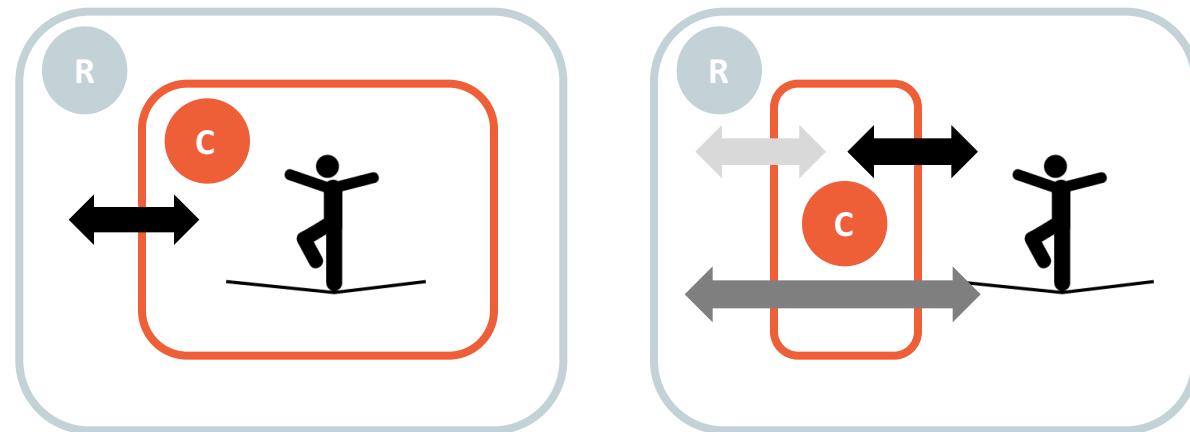
이정수



Workshop Day1

WHAT IS AR?

Augmented reality (AR) is a live direct or indirect view of a physical, real-world environment whose elements are *augmented* (or supplemented) by computer-generated sensory input such as sound, video, graphics or GPS data.

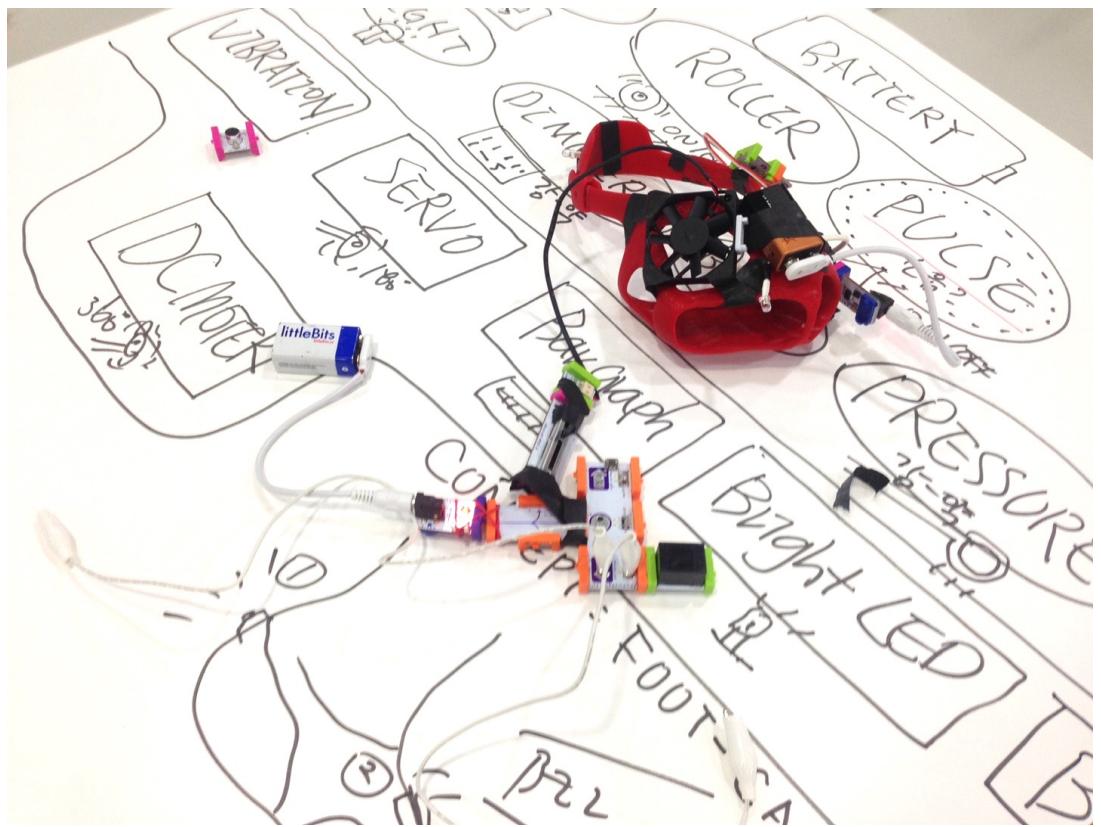


There allow for a more intimate and personal connection.



HOW TO CONNECT WEARABLE?

How to implement the wearable through **Little bits**?
Application and understanding of the wearable sensor.



REALIZATION OF PROTOTYPING RAPIDLY
FOOT CAR

INPUT	OUTPUT
BUTTON	BUZZER
PULSE	BRIGHT LED
LIGHT	DC MOTOR



I listen to color : Neil Harbisson

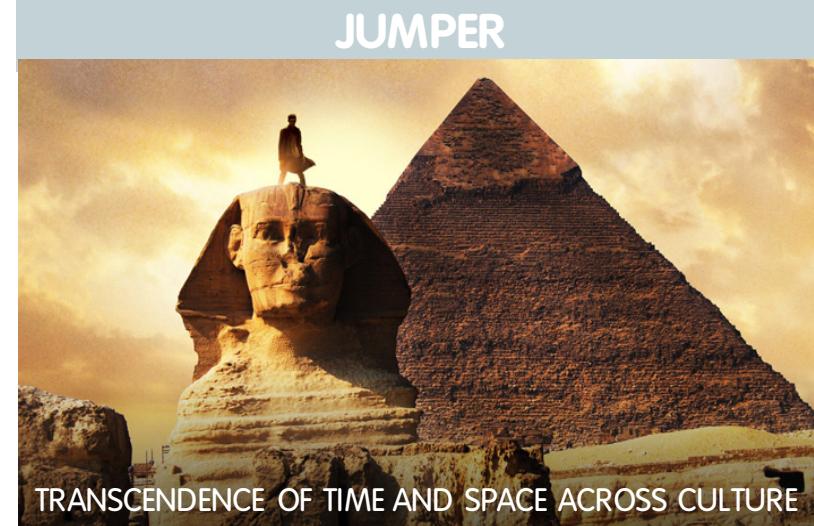
'Not many people go for a walk in the supermarket for fun, but I do. I have an electronic eye that converts light into sound to enable me to "hear" colour – so the cleaning product aisle is very exciting. The rows of rainbow-coloured bottles sound like a symphony to me.'



IDEAS FROM MOVIES



CAPABILITY OF SURREAL SUPER NATURE



TRANSCENDENCE OF TIME AND SPACE ACROSS CULTURE



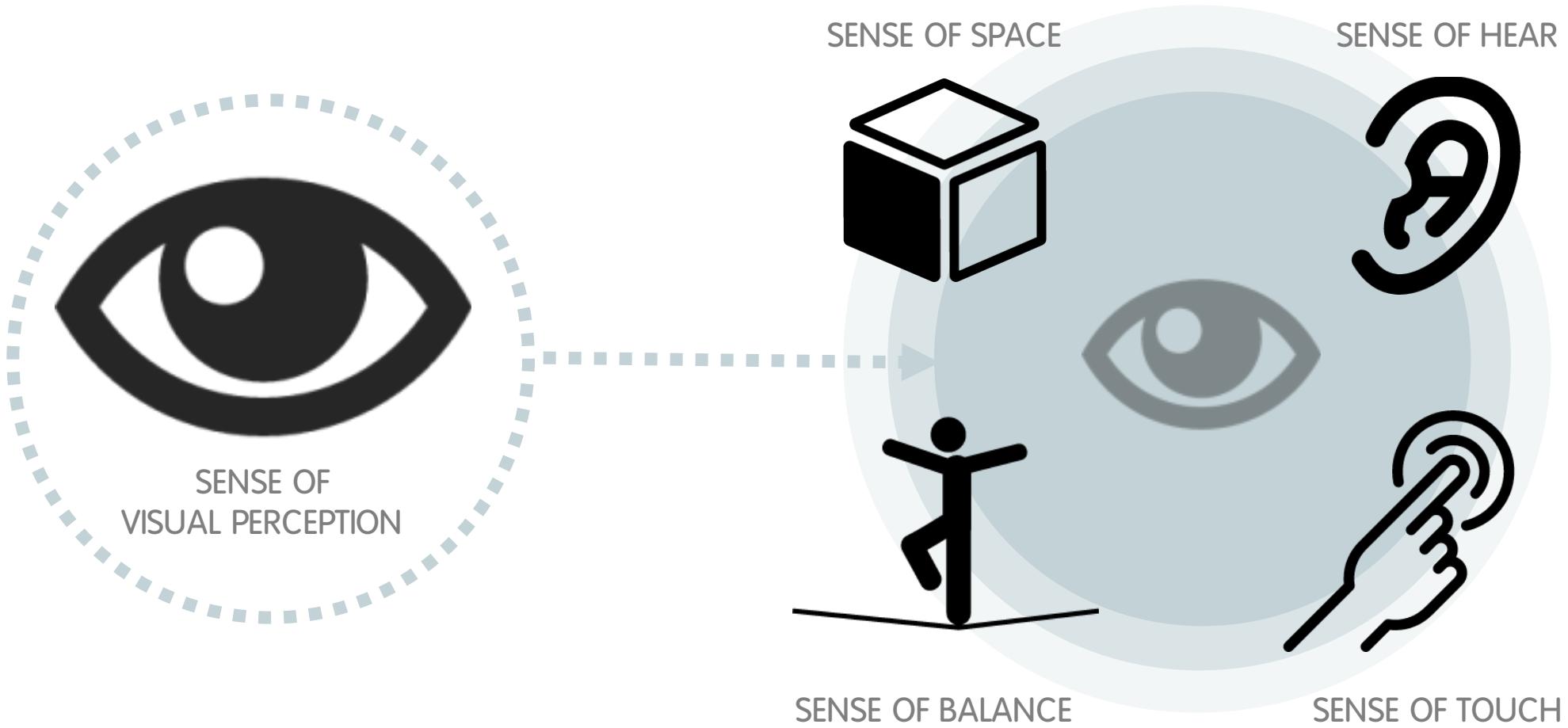
THE NEW PERSPECTIVE OF THE NATURAL WORLD



TRANSCENDENCE OF TIME AND SPACE ACROSS NATURE

WHAT IS THE FUTURE OF THE WEARABLES?

Overall, We need to activate the sense of the new proposal **WEARABLE AR**, which is associated with the various senses excluding sight that dependent on perception.



HOW DO THEY LOOK LIKE?

SATISFACTION OF CURIOSITY



EXPLORER

INTERACTION OF INTELLIGENCE



CULTURE

SHARING OF EXPERIENCE



EDUCATION

CURIOSUS SMART EXPLORER

NAME	Vin Diesel
OLD / LOCATION	32 / NY
JOB	Car Dealer
LIFESTYLE	Active, Extreme, Dynamic
ATTITUDE OF TECH	Curious
SOCIAL RELATIONSHIP	Interactive, Like Journey
PERSONA GOALS	<ol style="list-style-type: none">1. Both Extreme and Calm2. Connecting to nature3. Wanting other worlds4. More Secure Explore





Workshop Day2

INTERVIEW WITH PERSONA

SEE

- TV Programs
 - 'National Geographic'
 - 'Walking into the World'
- New Equipment
- Explore Journal

SAY

- My final destination is Space.
- I will go desert in this holiday.

DO

- Selling cars
- Taking explore video
- Buying for Exploring
- Buying life insurance

THINK

- Where will I go this weekend?
- Anyway, security is best.

FEEL

- Stress for selling
- Curious for other world
- Self-satisfaction
- Desire for conquest

HEAR

- Nitpick from mom and girlfriend.
- Just marry.
- You need to rest your body.

CARDIGAN

ENHANCE
GUIDAN

Maintain basic body temperature regulation

Often wearable

There is no limit to size

Warmth

RETRIEVES

GUIDE

Is it possible this useful cardigan?

Is it possible to charge?

Should difficulty gets wet?

What happens when you grow?

REVERSE
ACTIVATOR

Is possible the feeling comes to the lower body?

Subtle reaction from Hand, foot ?

If attached a hood?

OBSOLESCES
NAVIGATOR

Restrictions to weather

Make up the volume

Body by sensory function is different



JUNGLE METROPOLITAN

**EXTREME
ON NATURE**

EXPLORE / ADVENTURE

**COMMUNICATION
WITH NATURE**

FRIENDSHIP / CULTURE

**SENSING
BEYOND NATURE**

MAGIC / CURE

AR DEVICES + CARDIGAN

DEVICES

AR

FOR ACTIVITATION

SENSE OF BALANCE
SENSE OF PARALLEL

FOR COMMUNICATION

SENSE OF TOUCHING
SENSE OF HEARING

FOR TIME-LAPSED

SENSE OF TIME / SPACE SENSE
OF COGNITION

SHOES



RING

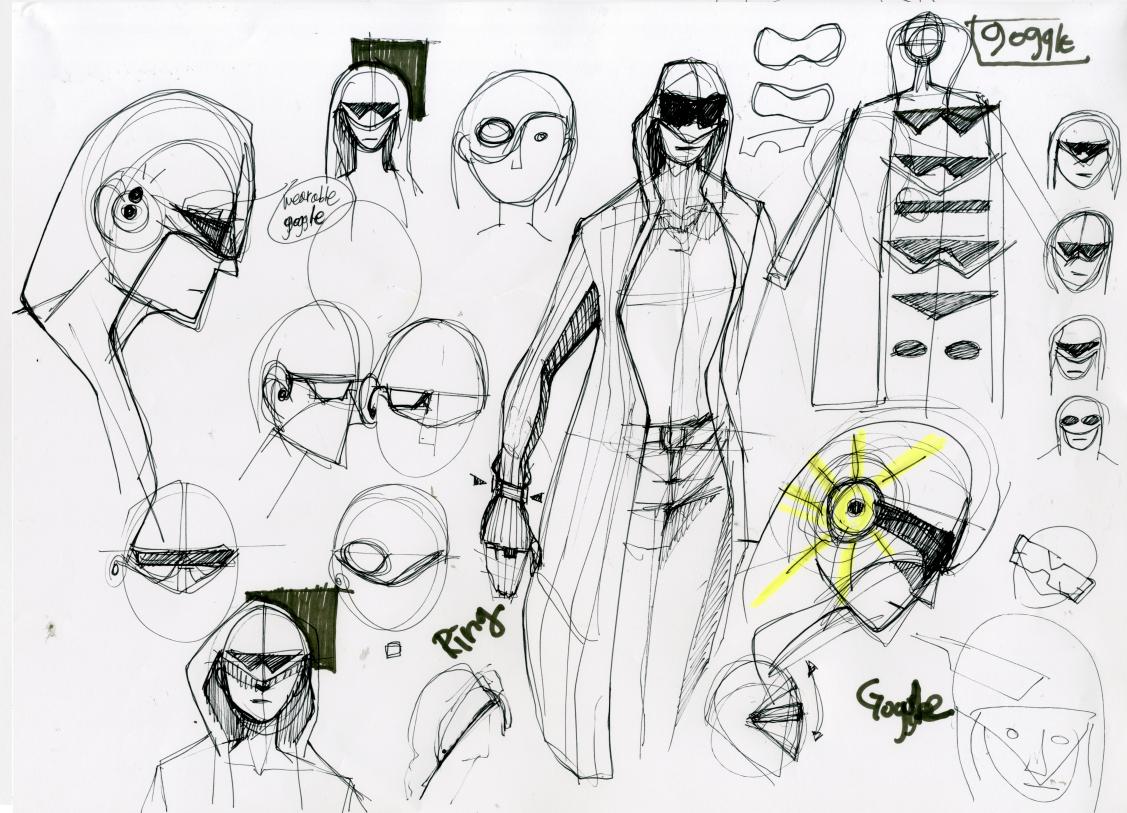
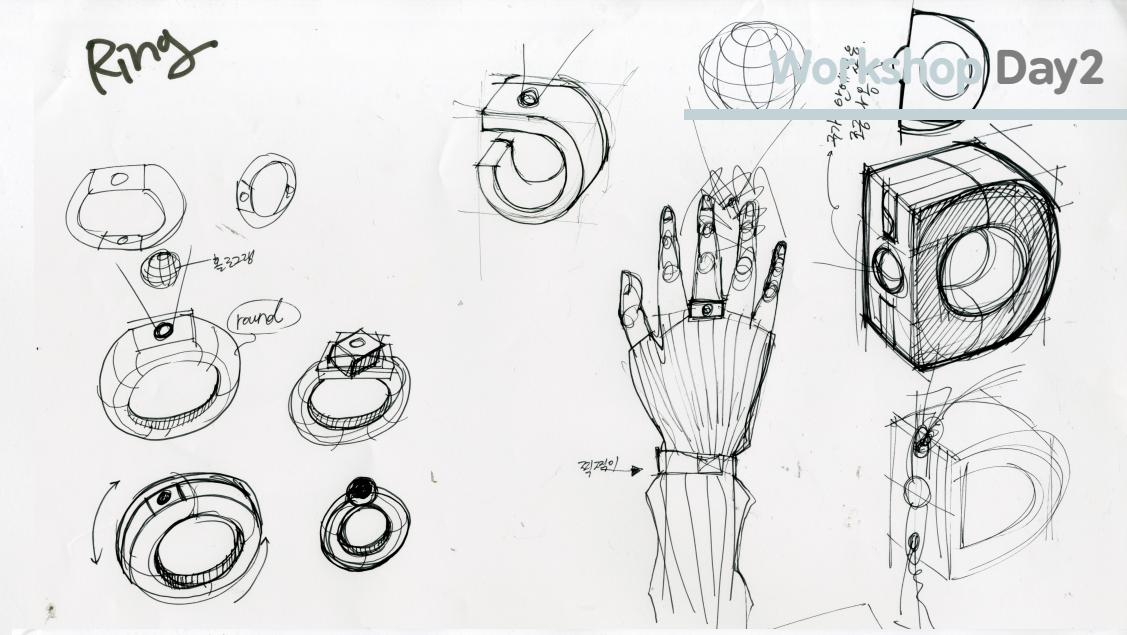
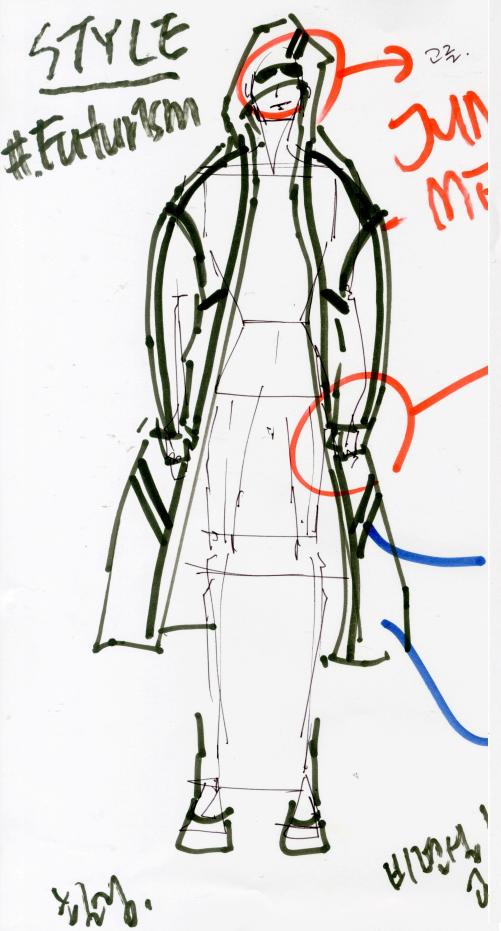


GOOGLES

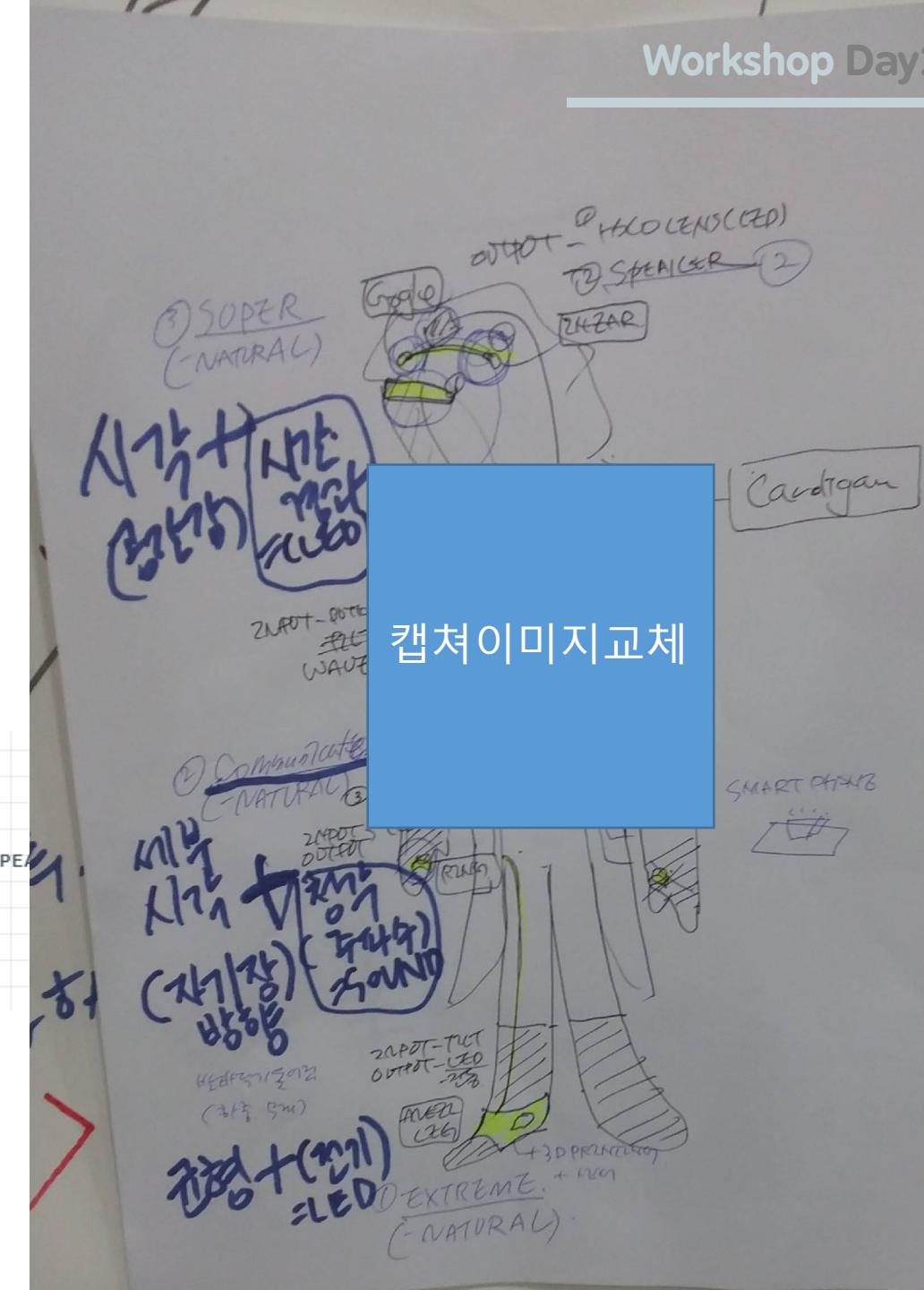
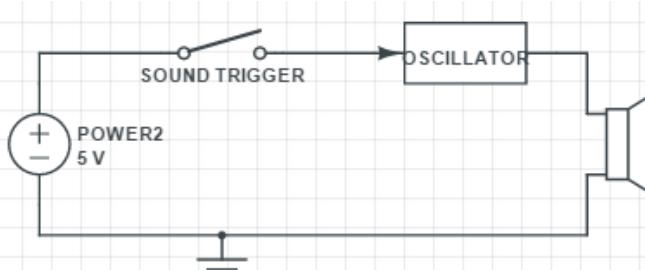
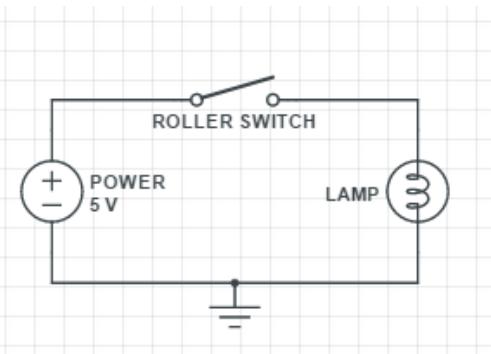
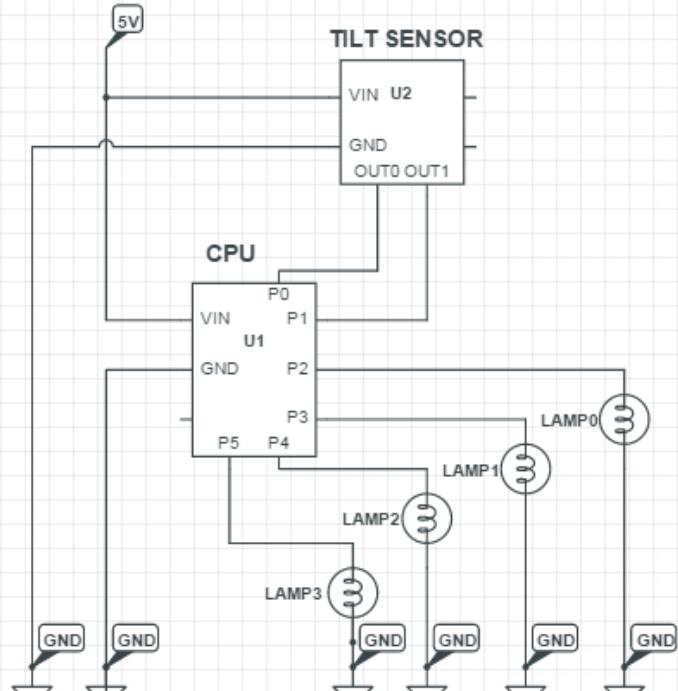


CONCEPT DEVELOPMENT

SKETCH



CIRCUIT DIAGRAM



FUTURISM & WRAM-COZY

Design Concept : URBAN EXPLORERS DAILY

Wanderers, researchers, scholars, adventurers, wizards.

Form

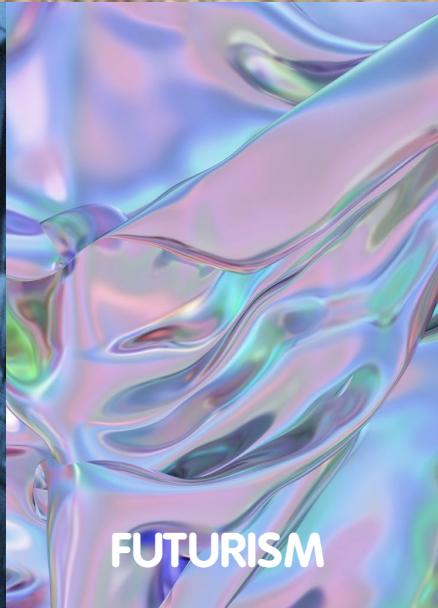
Ordinary wear cardigan form and its role in everyday life

Material

Metal holographic futuristic feel warm knit-emphasize the cozy character with warm colors and soft touch and easy-to-use material in the dressing daily.

Symbol colours

Future metallic **silver** from the sporty stripes from Tron and **Beige & Ivory**





Workshop Day3

WEARABLE STORYBOARD



패션사진 추가
또는 교체

TECHNICAL STORYBOARD

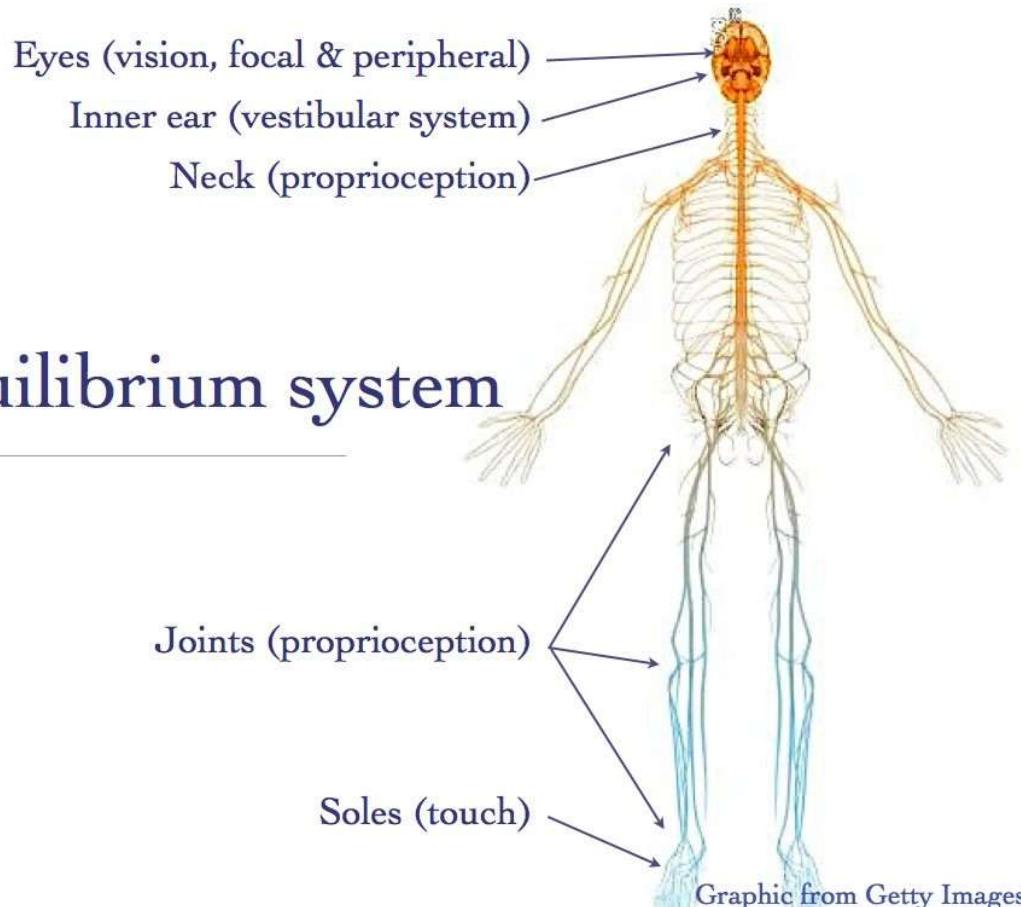


기술사진 추가
또는 교체

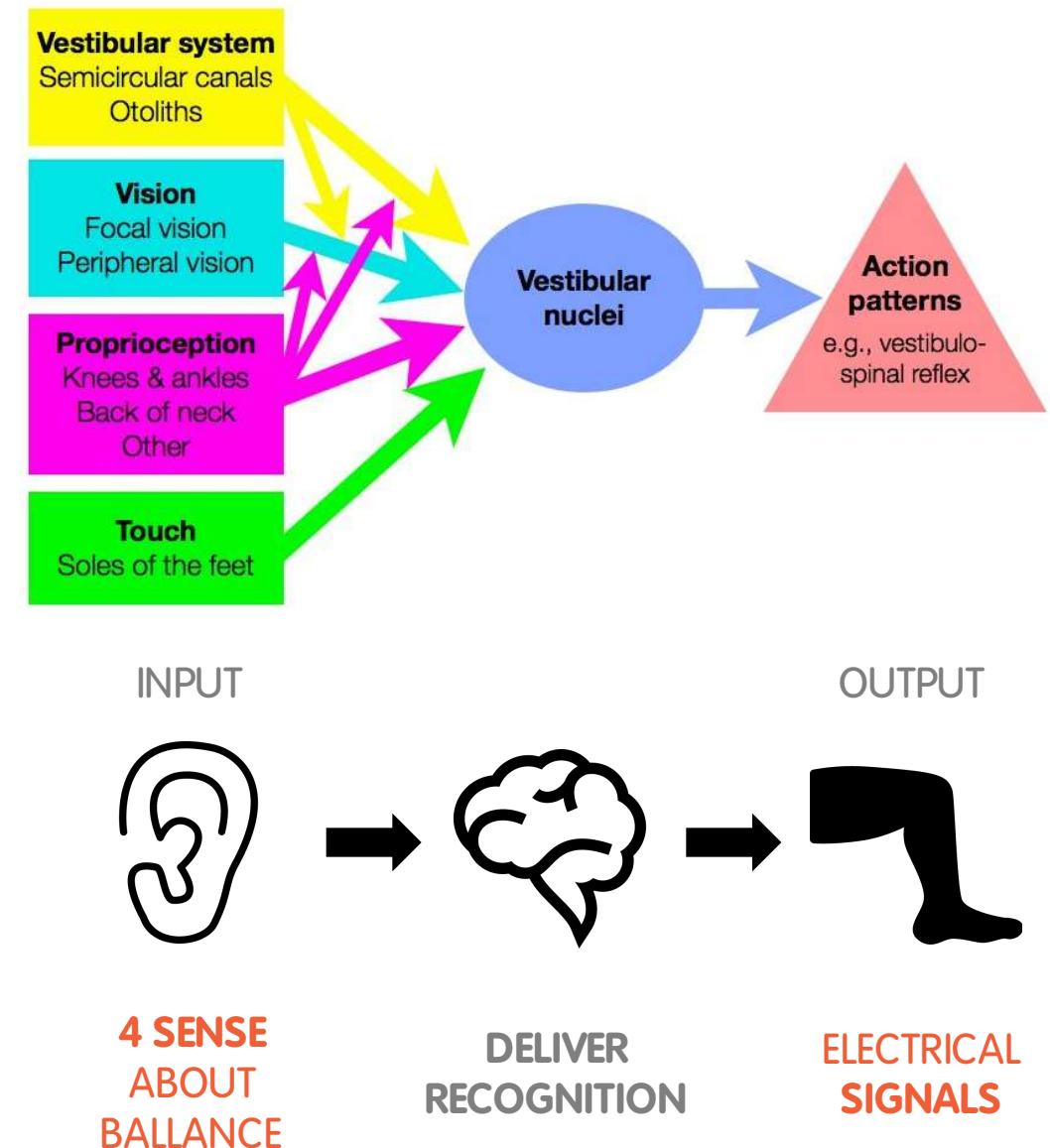
영상부분
필요편집

CONCEPT #1

SENSE OF BALANCE



Equilibrium system

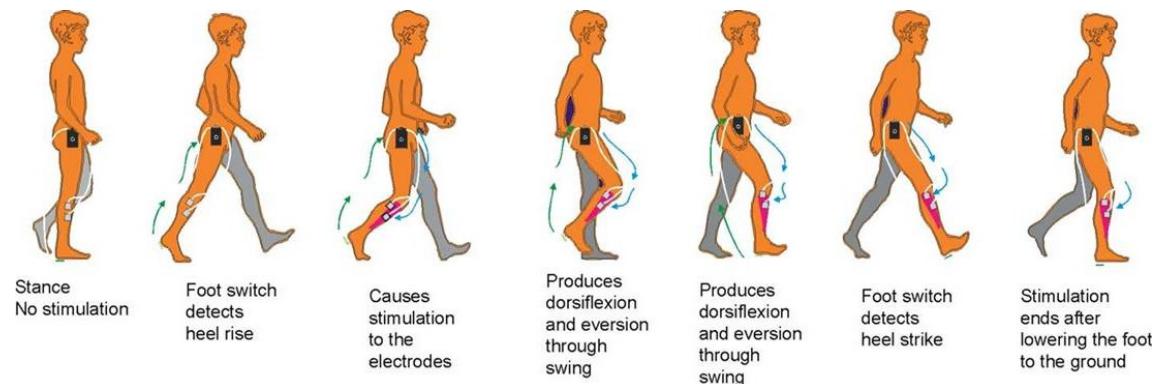
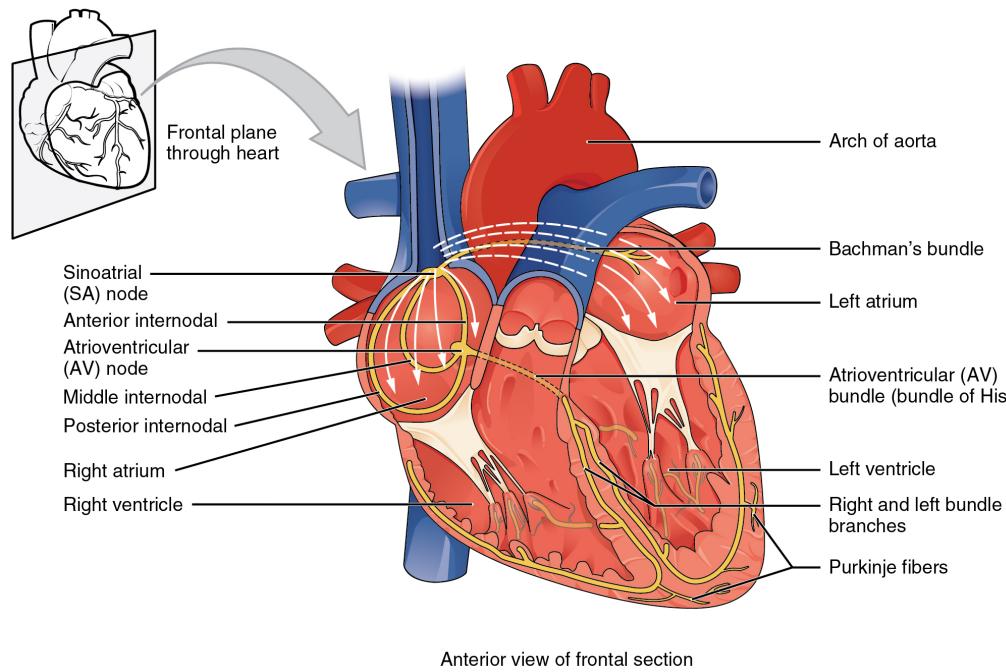


CONCEPT #1



CONCEPT #1

EMS (electronic muscle stimulation)

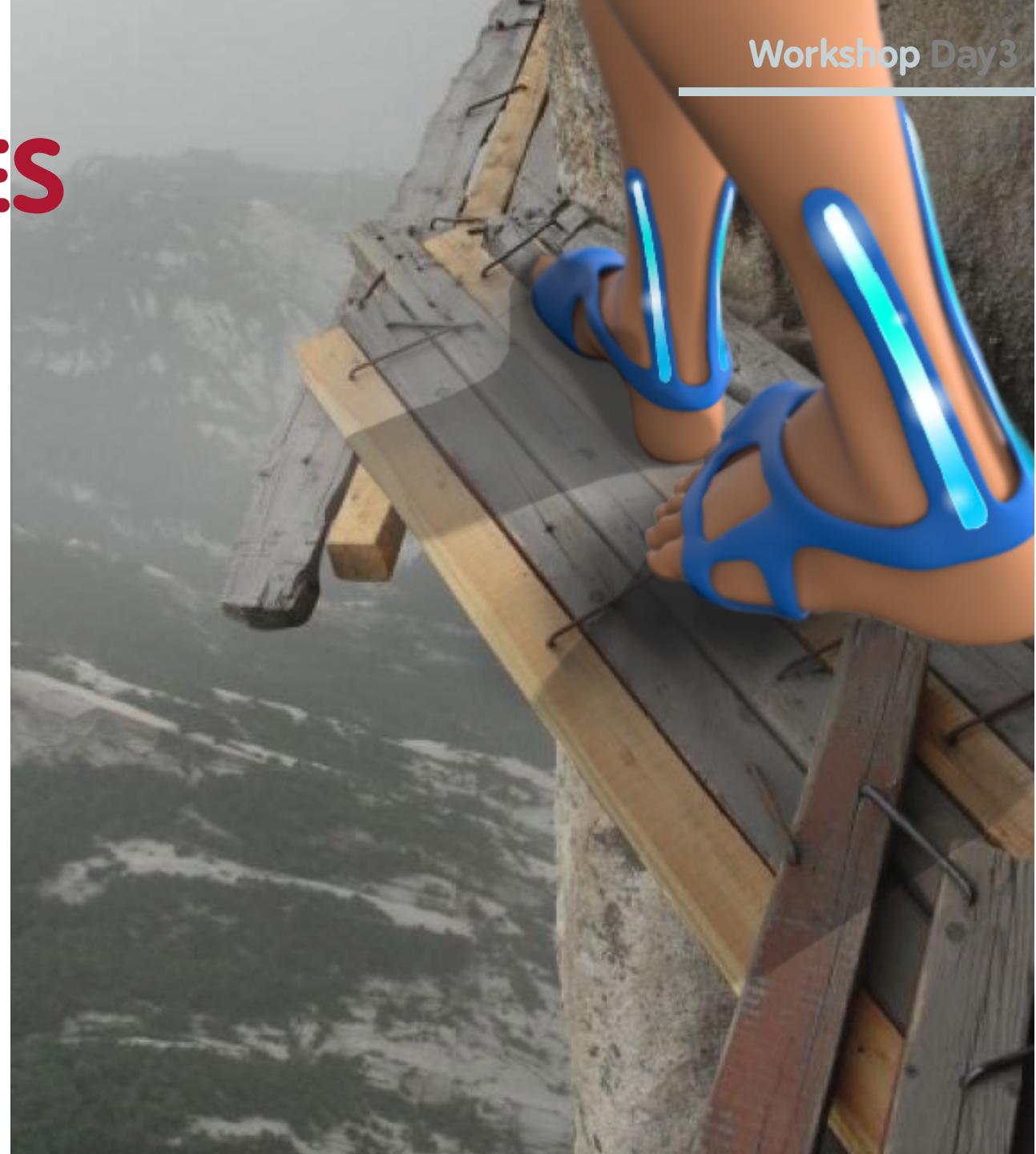


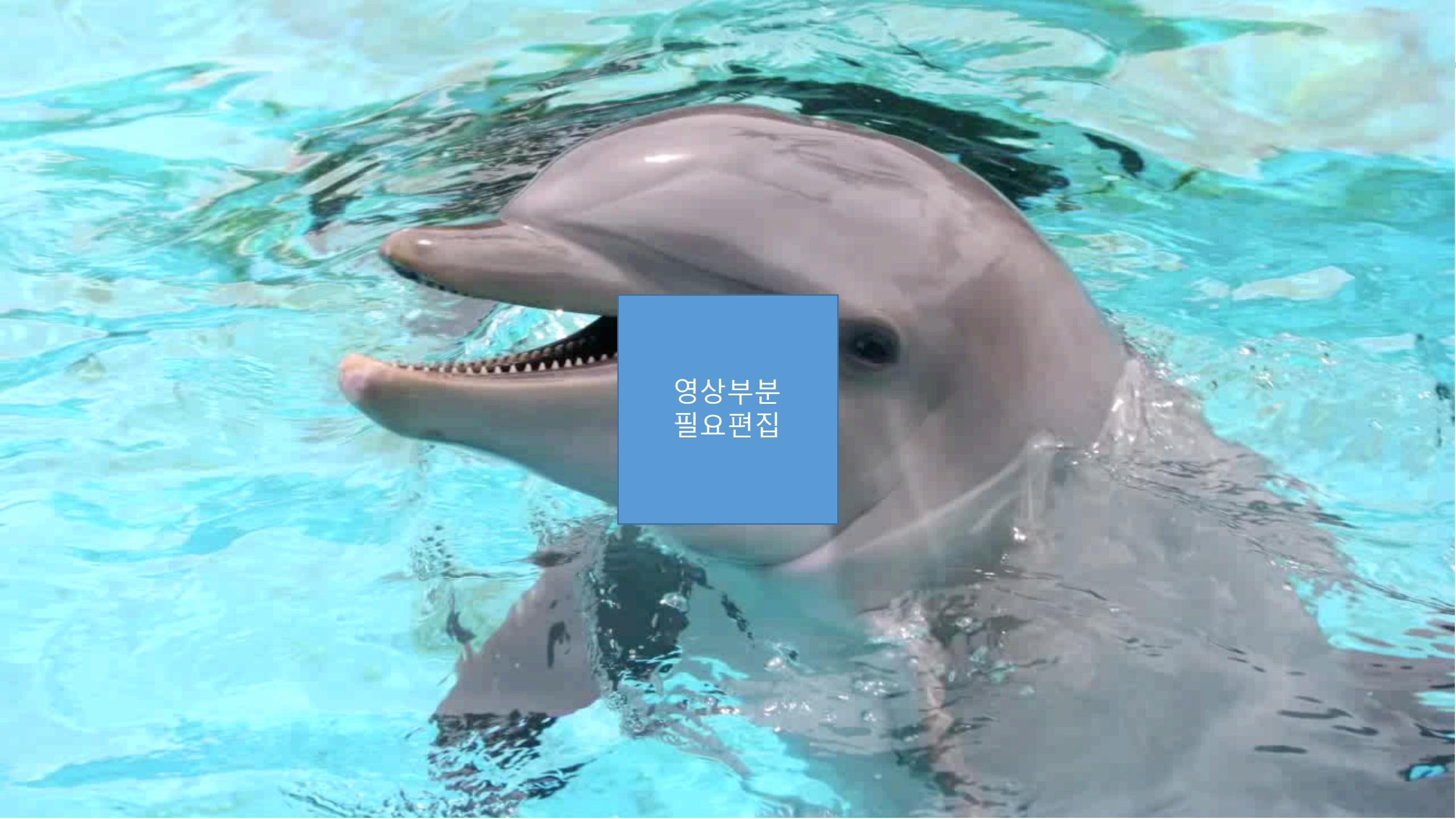
STORYBOARD #1

FUNCTIONS OF AR DEVICE :

AR-SHOES

영상 또는 사진





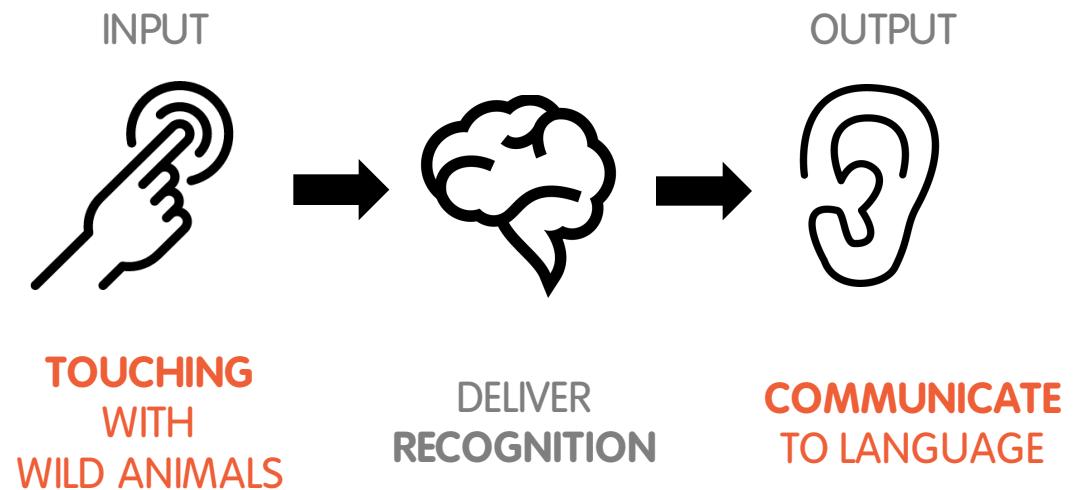
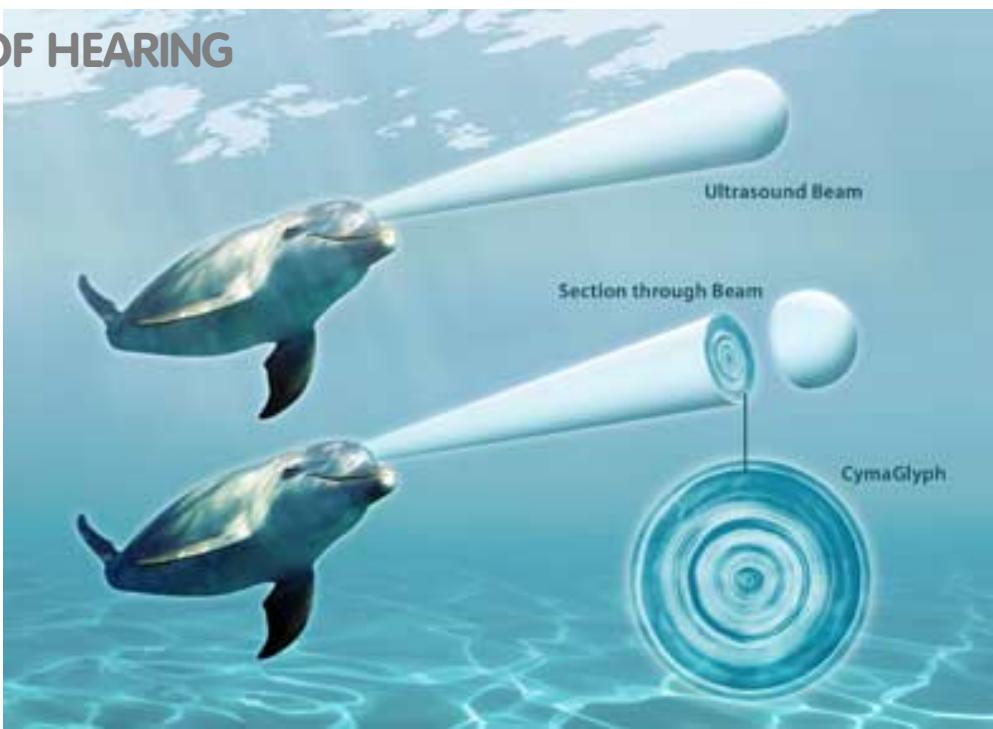
영상부분
필요편집

CONCEPT #2

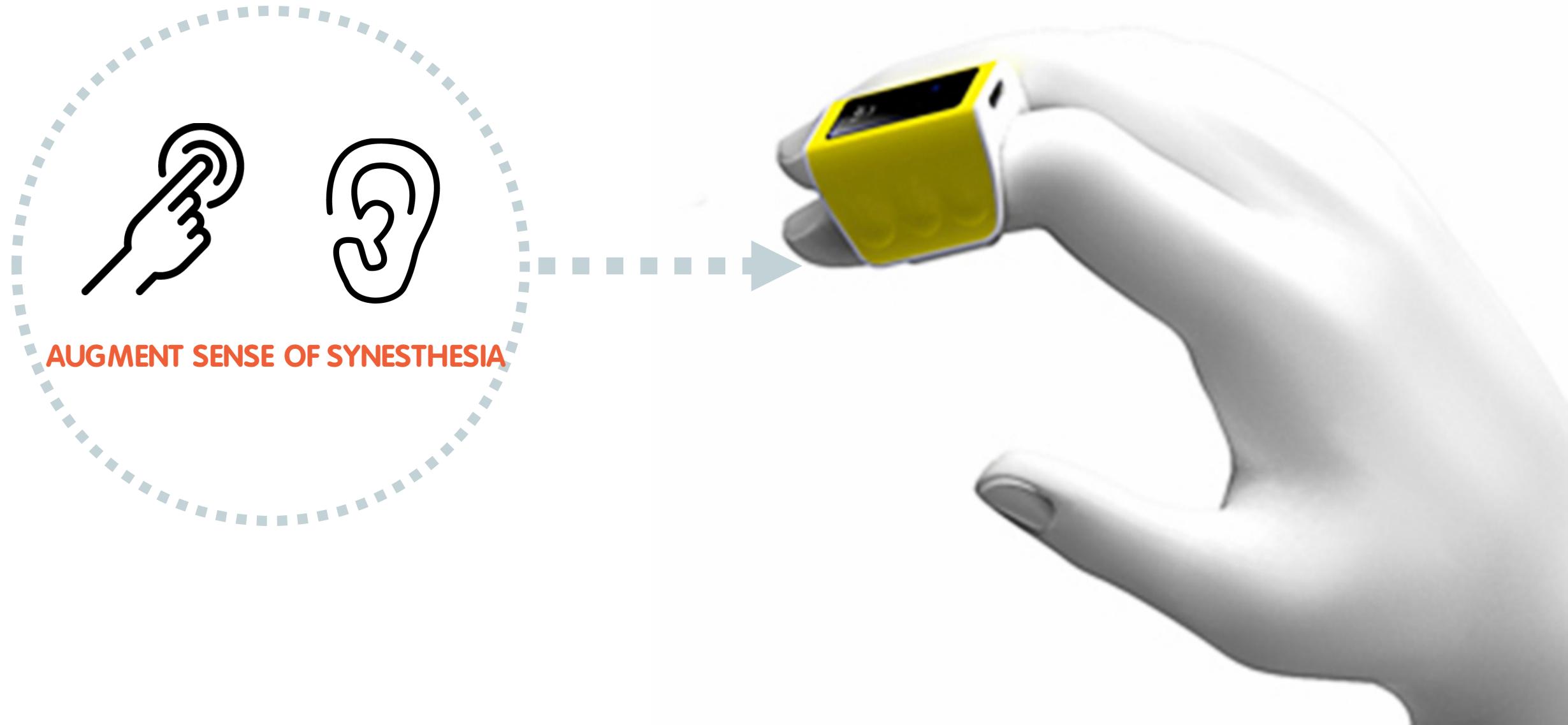
SENSE OF TOUCHING



SENSE OF HEARING



CONCEPT #2



STORYBOARD #2

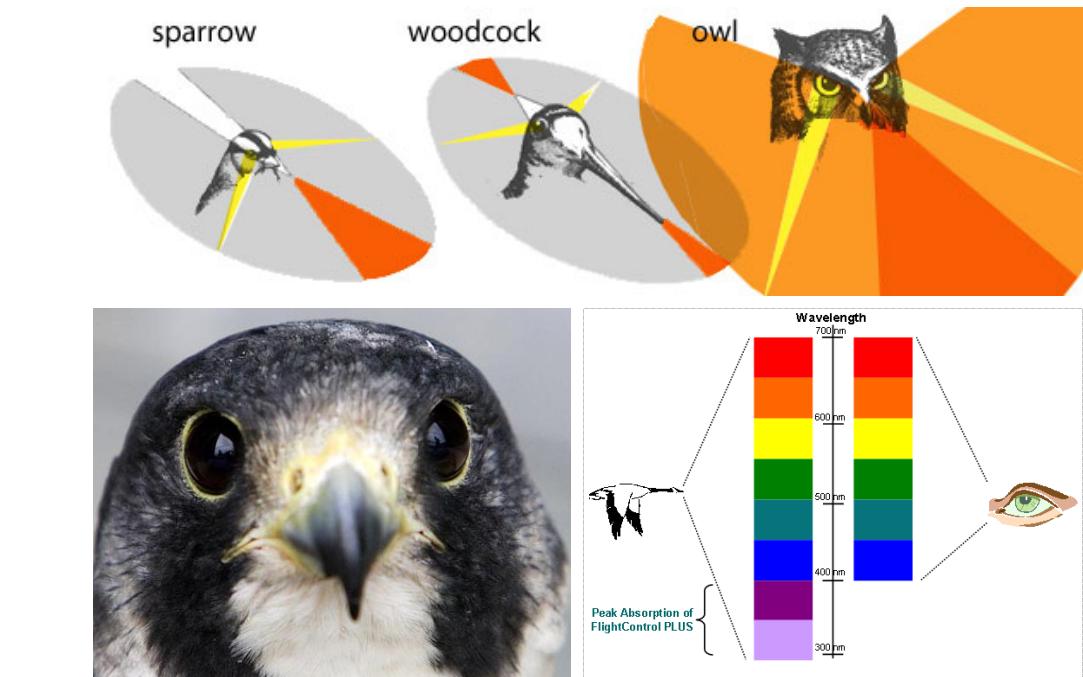
FUNCTIONS OF DEVICES :

AR-RING



CONCEPT #3

SENSE OF BIRD EYE SIGHT FROM OTHER PERSPECTIVE VIEW



CONCEPT #4

SENSE OF TIME-LAPSED



STORYBOARD #3

FUNCTIONS OF DEVICES :

AR-GOGGLES

고글관련 촬영사진 이미지

SYNTHESIS ECOLOGY SYSTEM

전체 컨셉의 프레임 워크
종합 구조 AR 시스템
다이어그램



THANK YOU
Q&A