COLLEGE OF DESIGN

جامعة الإمام عبد الرحمن بن فيصل
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY

CODEX*

**19/ Frames*

Industrial Design

Students Showcase
2019

Students Showcase
2 0 1 9

Dean's Message.

It gives me great pleasure and pride to introduce the thesis projects of the graduates of the College of Design. This book is a culmination of a 5-year program that equipped our graduates with skills and technical knowledge of increasing complexity. At the heart of design is a continuous strive to solve problems and improve the lives of others.

This book gives you a small glimpse of what our graduates are capable of by offering vignettes into their graduation projects and selected previous projects.

Thesis projects are the outcomes of an academic year's worth of work that starts with a project of the students' choosing that fits with set criteria. One semester is spent on thorough and detailed research which includes understanding all aspects of the problem, learning from case studies and engaging with stakeholders. In the second semester, this research is applied through design iterations that test and continuously improve the design solutions.

For many, 'Design' is about aesthetics, but that is not our ultimate aim. Design can be used for the betterment of living conditions, creating awareness, or allowing inclusivity. These are only a few of the things that design can achieve. Our aim is to graduate students who can make an impact, do good and are effective in their country's economy.

In 2019, we graduate our first cohort of Industrial Designers and our seventh cohorts of Interior Designers and Graphic Designers. I would like to take this opportunity to thank the faculty of the College for their dedication and hard work in preparing our graduates for their careers. I would also like to congratulate our graduates on their achievement and thank them for their commitment and perseverance. Great things await you!

Dr. Sumayah Al-Solaiman
Dean, College of Design

Department of Industrial Design.

Industrial Design Department

The Department of Product Design at the COD is a five-year undergraduate professional degree program leading to a Bachelor of Science in Product Design. Each academic year consists of two semesters. The program is sequenced to provide systematic learning and to reinforce essential concepts as students proceed through the program. The undergraduate curricula in design are divided into two phases, a preparatory year in the Engineering Track that all College of Design students complete in the first year, followed by four years of the core program of study.

Head of Department Message.

Congratulations to the first Industrial Design cohort! We celebrate 4 years since the establishment of the Department in 2015 at college of design at, Imam Abdulrahman Bin Faisal University. We are extremely proud of the countless hours of study and hard work that our students have put into completing the Program. You have the privilege of being the first female Industrial Designer graduates to hold this degree on a national level within the Kingdom of Saudi Arabia.

Final Design Studio projects communicate and contextualize conceptual ideas in an interdisciplinary approach that involves theory, design thinking, user experience, marketing, engineering, 3D modeling, and prototyping. I applaud the work and effort of the Industrial Design faculty who with their commitment to innovation in education, helped prepare graduates with needed skills to excel in their careers and thrive in our society. In particular I would like to thank the Design Studio 10 instructors, Ms. Khadijah AlKhuwaitem, Ms. Norizzah Khan, Ms. Nora Alhumaidi and Ms.Maha AlShathli.

To our graduates I say, it is a great privilege to represent and assist you as the Head of Department, and it's been an honor seeing you grow into what you are today. Take time to remember your college days, looking back on the many changes you have experienced since your graduation day.

Dr. Lina Darweesh
Chair of Product Design Program

Industrial Design Studio 10.

Industrial Design Department

The course allows the examination and application of design processes and methods pertaining to product development to a complex and socially relevant design challenge. Specifically, it requires students to complete the design process including ideation, development, refinement, detailing and final documentation and prototyping stages of the major design project commenced in their thesis, and potentially conducting user tests. In highlight, the course is designed to complete and communicate the industrial design graduation project to a level which demonstrates knowledge gained throughout the whole program and capacity to practice professionally to international standards.

Class of 2019:

Industrial Design Department

Alanoud Alwalmani
Bothaina Alamri
Sarah Alowaid
Akela Alsadiq
Hawra Al Dawood
Fay Aljean
Kaltham Aldoassary
Noor Khuraidah
Zahra Almomen
Rehab Alghamdi
Hawra Almusalam
Rahaf Albaadi
Bayader Al-Eisa
Amjad Alamoudi
Njood Alarfaj

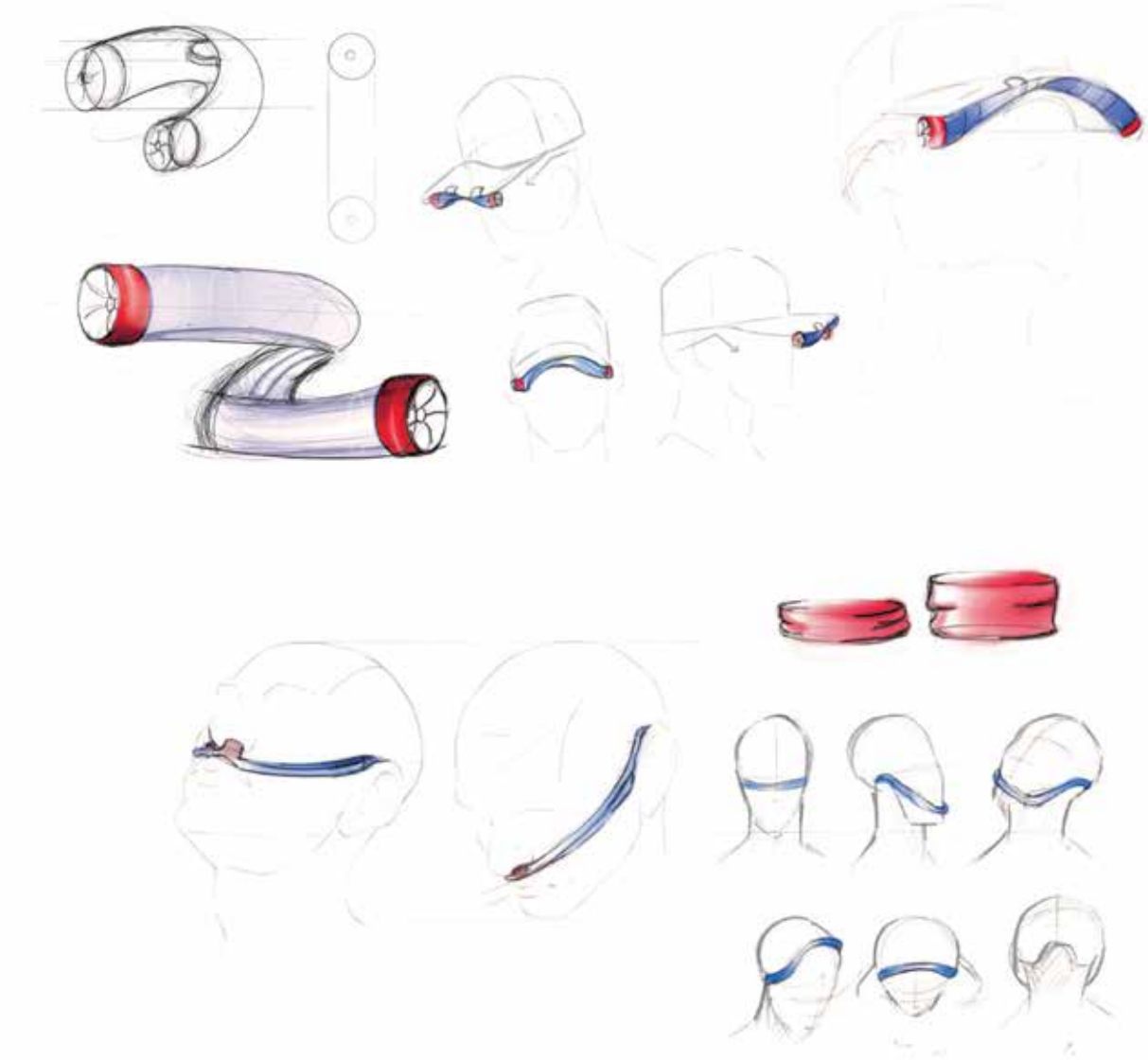
Alanoud alwalmani

alanoudwalmani@gmail.com

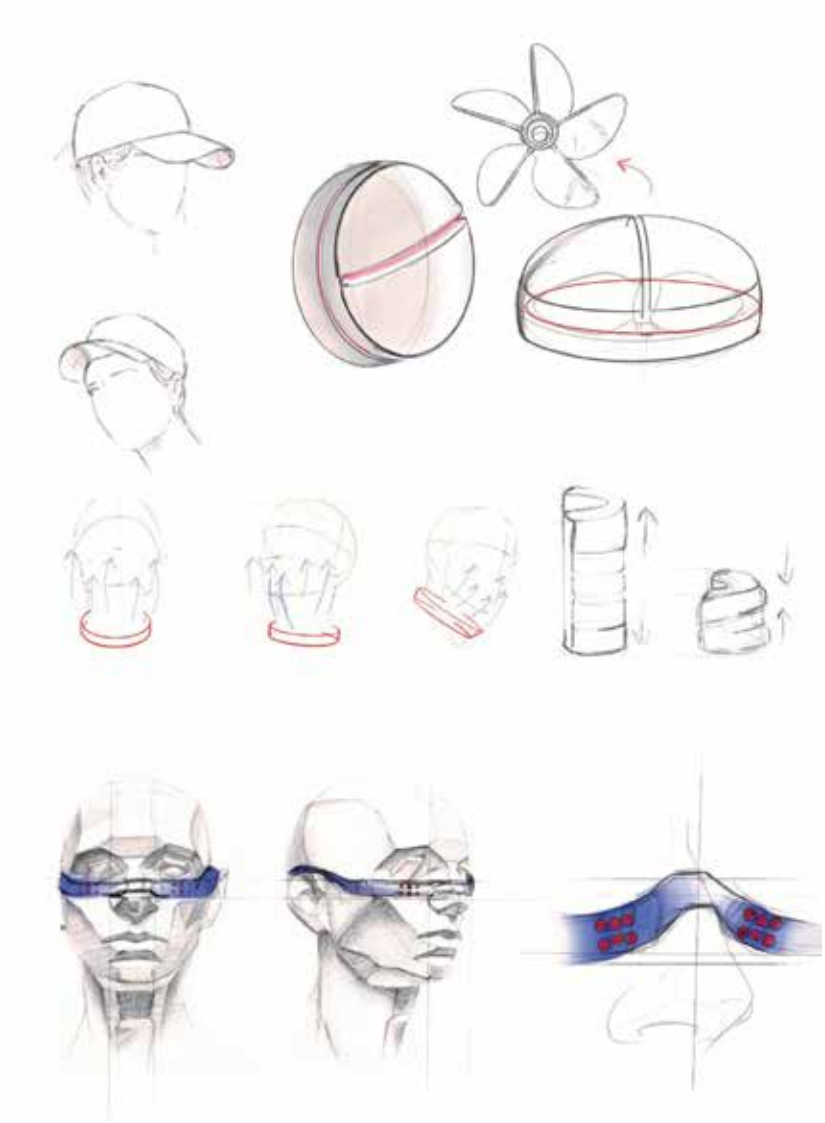
6A

The project aims to protect security men who deal annually with the large number of pilgrims, thus exposing them to transmission of infection and serious diseases.

Industrial Design Department



Industrial Design Department



Ideation stage

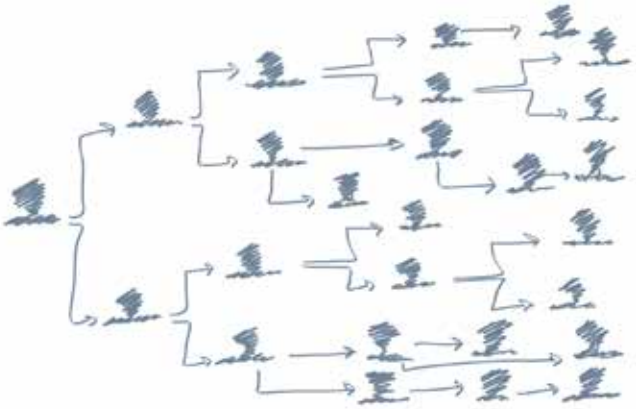
Bothaina Alamri

Bothainaalamri@gmail.comam

GREEN U

GREEN U is a planting product supported with a rooting system enhancing the planting activity and spreading the action fom the home use to creat the needed plants diversity in Saudi Arabia .

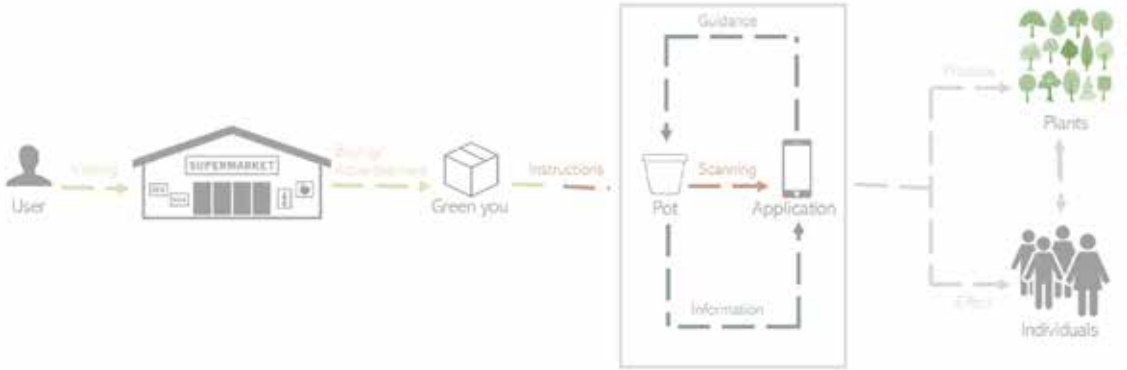
Industrial Design Department



SYSTEM

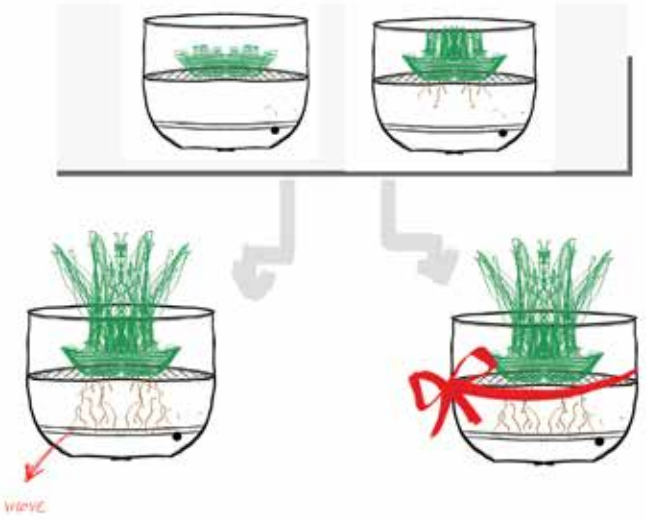
the goal is to sustine the action for the individual while creaing a spreading action throgh the user experinces and environmint effecting frinds and family

System design



Before starting After starting Product system Product outcome

Planting resources from the home environmint to the home use.



After the planting activity the user can transfere the plant to the garden or give it to someone to start a new planting prosess

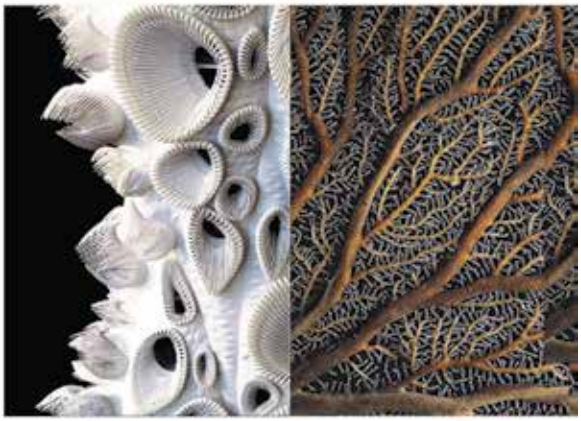
Sarah M. Alowaid

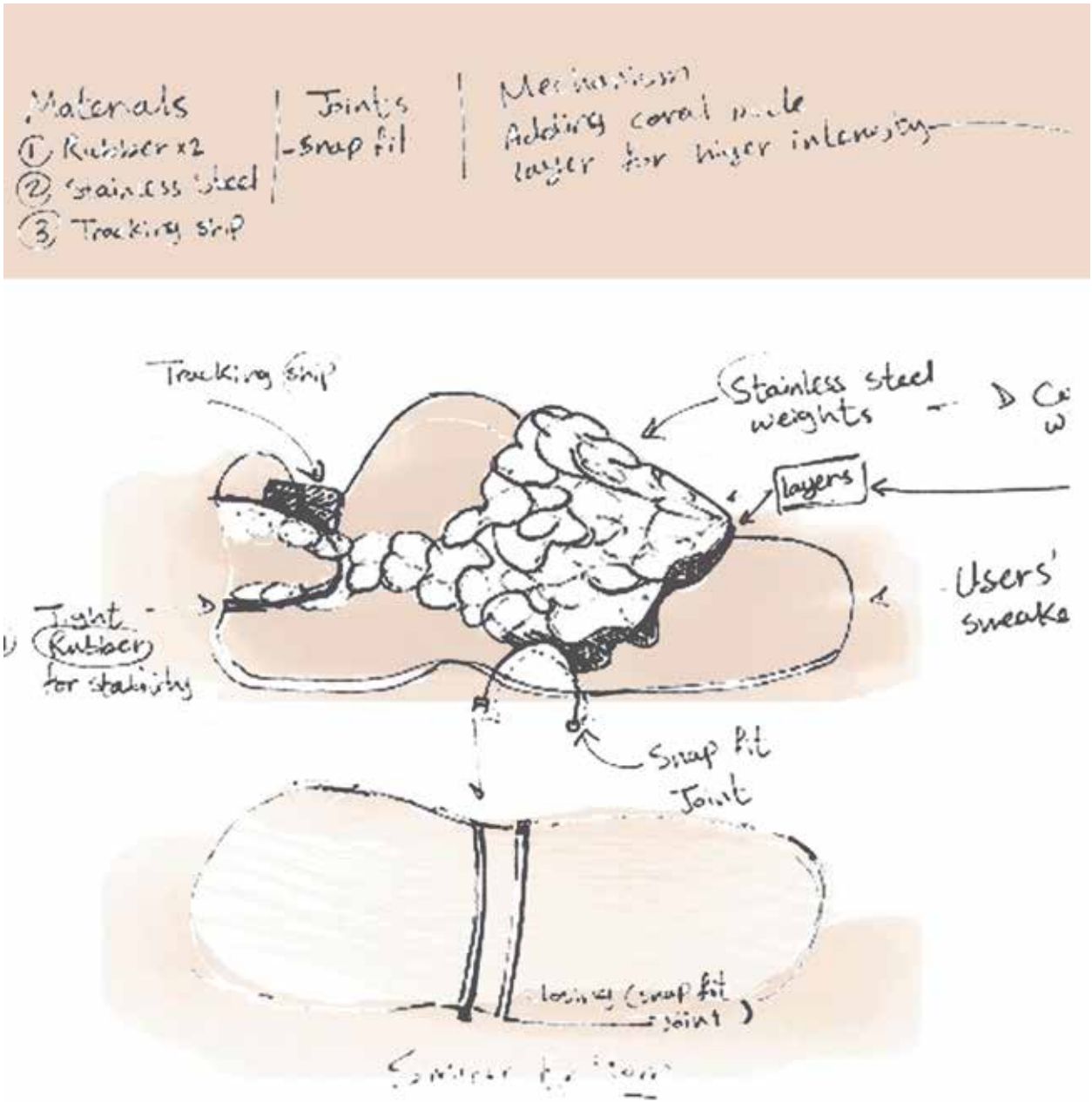
sarahalowaid@yahoo.com

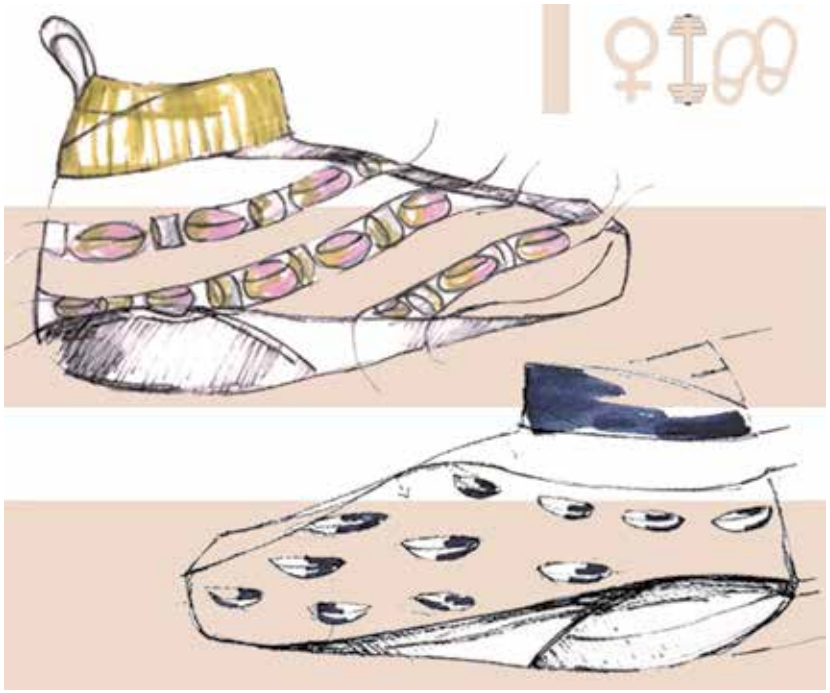
SagaShoe Iron

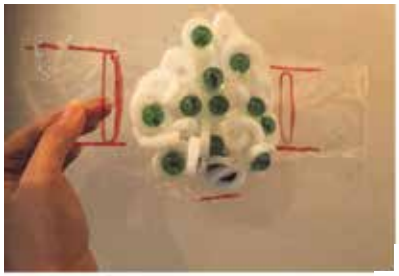
Inspired from the beach context, SagaShoe Iron is designed for the female to get out more, enhance her health with wearable weights that will add an elegance value to her appearance.

Industrial Design Department




Materials
① Rubber x2
② Stainless Steel
③ Tracking strip
Joints
-Snap fit
Tracking strip
Stainless steel weights
layers
Users' sneaks
Snap fit Joint





Akela Alsadiq

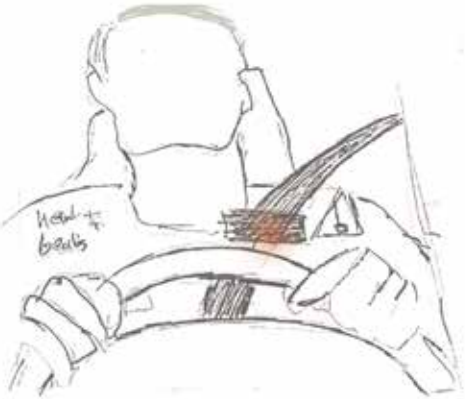
Akela.m.542@gmail.com

I Shade

Design a diabetic control system inside the car to reduce the hazard while driver faced hypoglycaemia and the unconscious driver actions.

Industrial Design Department

01 Design in Seat



02 Design in belt

IDEATION

03 Design in paddle

04 Design in steering wheel

D ABETES

Driver measure all way of driving

Sensor feel of health changing

Seat vibrate for driver

Driver moves fast

Petrol paddle respond less

Some one notes a stopped car

Driver passed away

Notice the lighting in seat and help

Driver awake and re turn car

DIABETES

Story Board

Design a steering wheel cover with a hidden PBG system to measure and calculate driver health conditions

Design a steering wheel cover with a hidden PBG system to measure and calculate driver health conditions

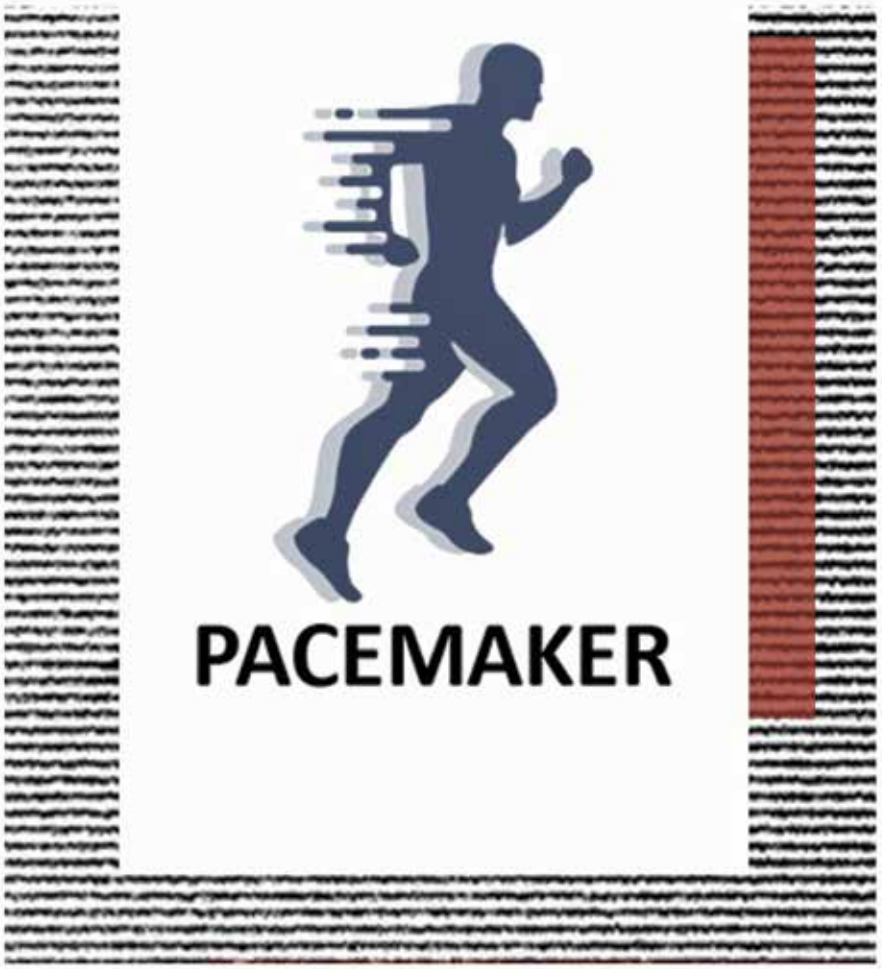
Hawra Al-dawood

issuu.com/hawra.fathi
Hawra.fathi@hotmail.com

PACEMAKER

A kit that provide from companies to their employees in order to keep them active and raise their productivity during working hours through social contribution aspects.

Industrial Design Department



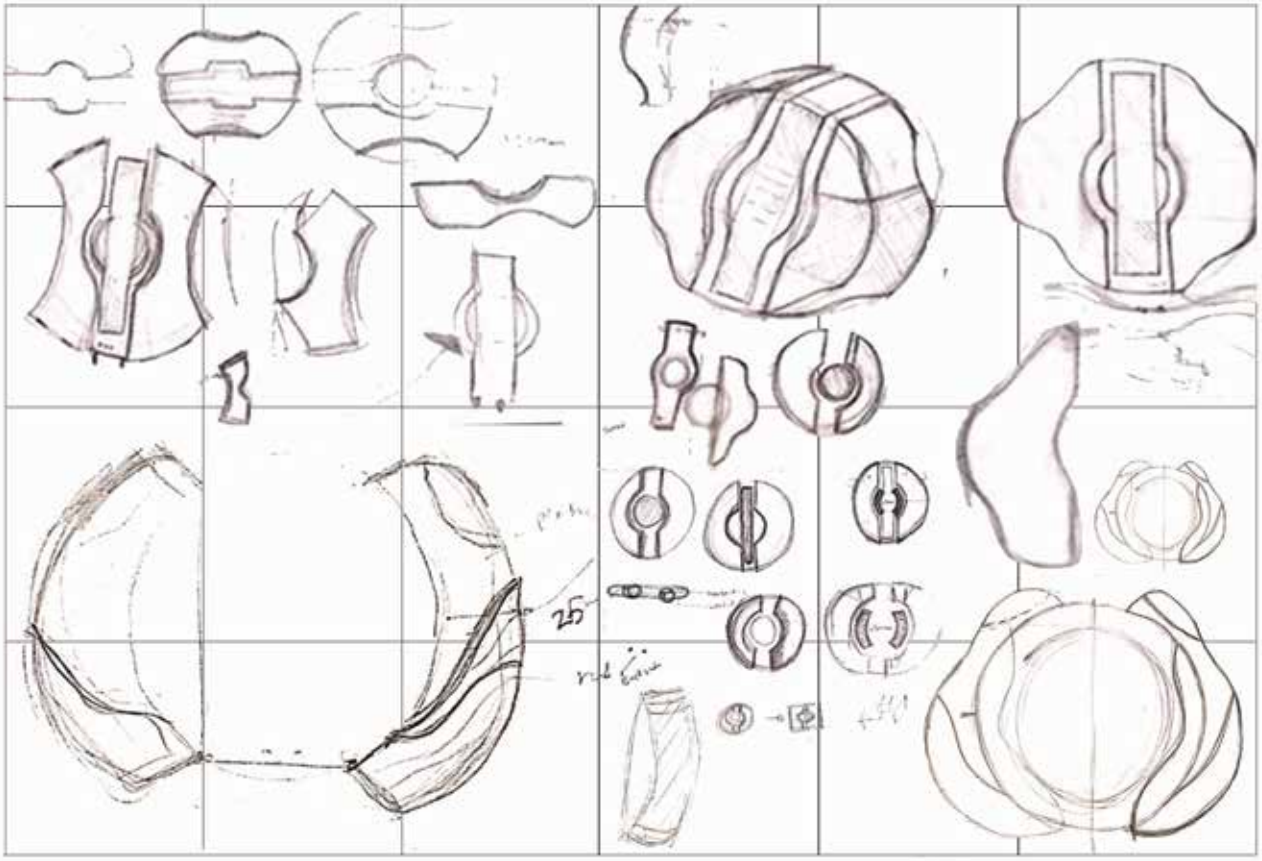
PACEMAKER

WHERE YOU FEED YOUR SOUL

| SCREEN | BROOCH | DOCKSTATION

PACEMAKER OFFERS

Lose and keep weight at diffrent actions	Rise your productivity
Stay Active and energise	Build your community and network



Snapshot of interface setup phase

Fay aljeaan

fayaljeaan.myportfolio.com/
fayaljeaan@gmail.com

Moreless phone

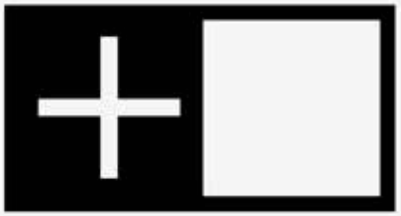
Moreless Is A Modular Phone Made Using Different Components That Can Be Independently Upgraded and Replaced In A Modular Design. Moreless Phone aims To Reduce Electronic Waste, Lower Repair Costs And Increase The Phone Lifespan.

Industrial Design Department

Timeless design concept

The Timeless design concept was inspired by The godfather of industrial design dieter rams who created the ten principles of good timeless design. In late 1970. And his designs are the true meaning of timeless designs most of us are familiar with his design that managed to stay usable until nowadays.

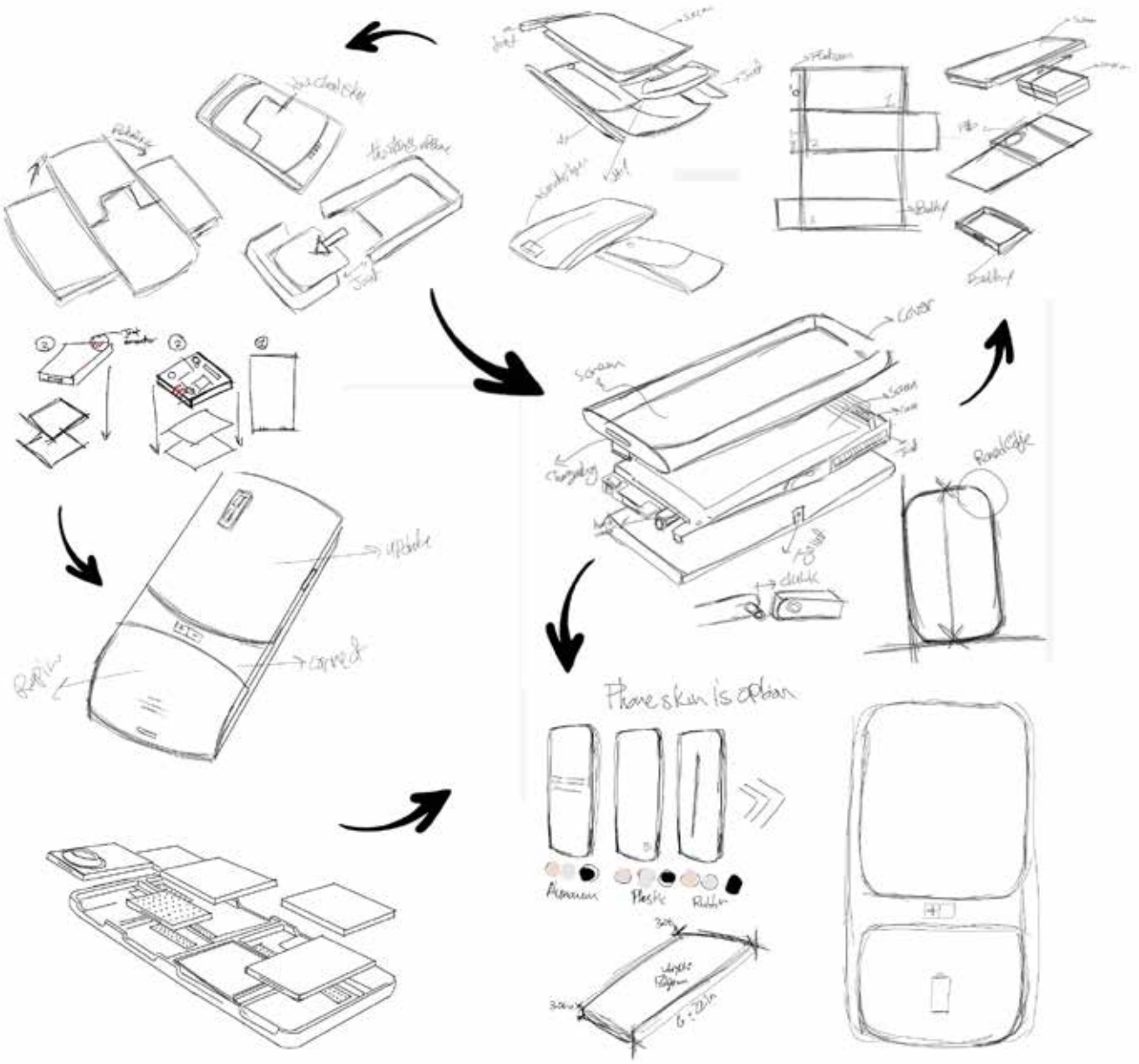
Phones Current Problems



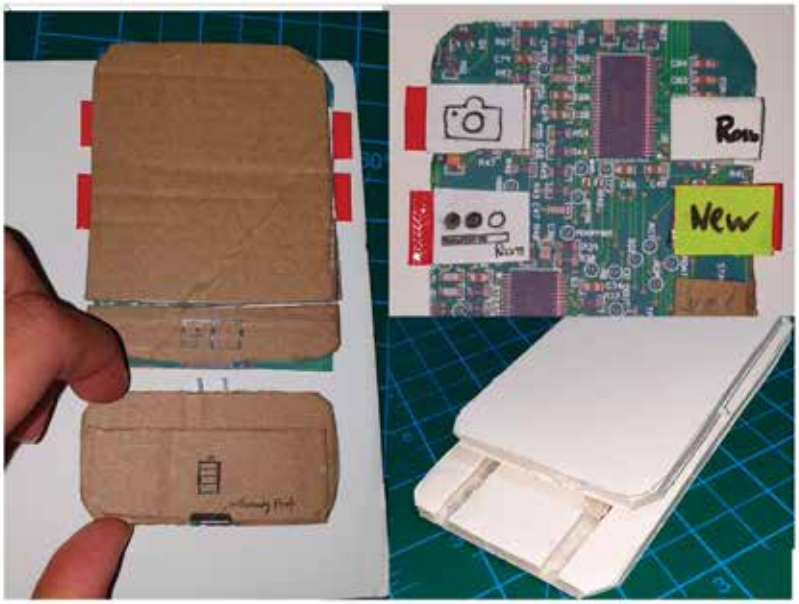
@moreless0

MORELESS PHONE

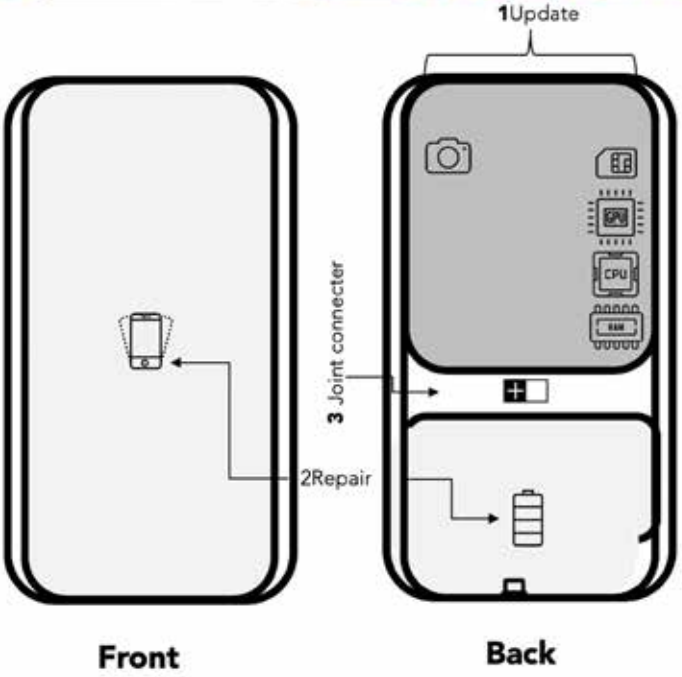
Live More, More meaningful life



Industrial Design Department



The anatomy of the components



The anatomy of the concept

Kaltham Al-Dossary

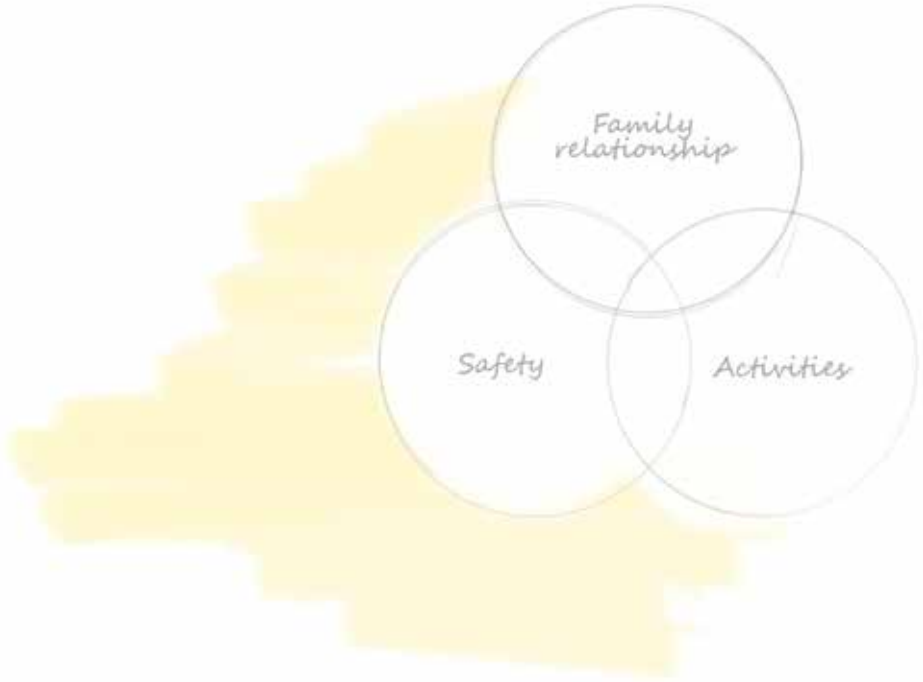
Kaltham.pd@gmail.com

7K.

is a product used by the Saudi family who needs a product to enhance social interaction activity during long trips. The product does not jeopardize the safety rules while they are inside the car.

Industrial Design Department

Industrial Design Department



The solution's main focus

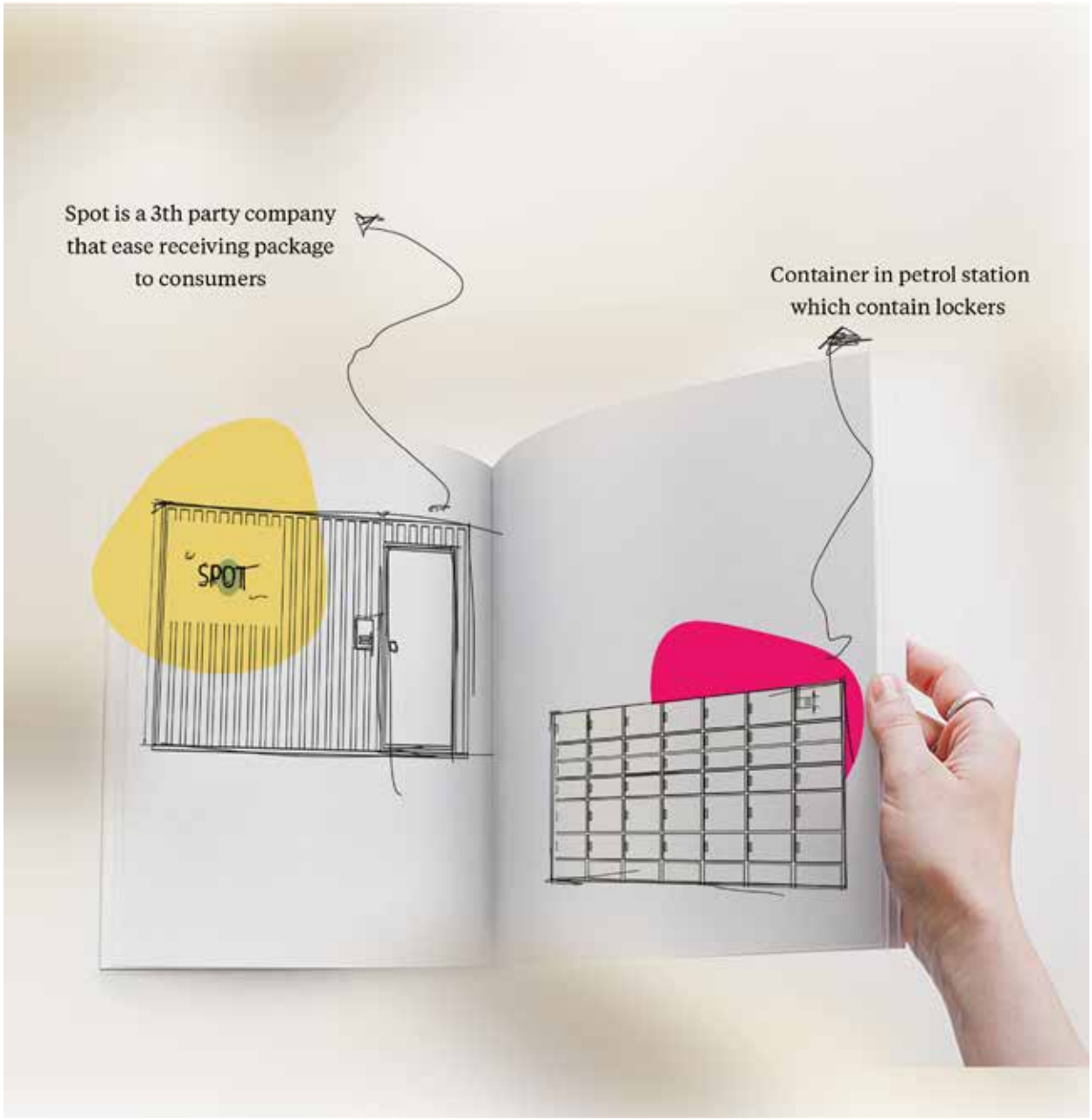
Noor Khuraidah

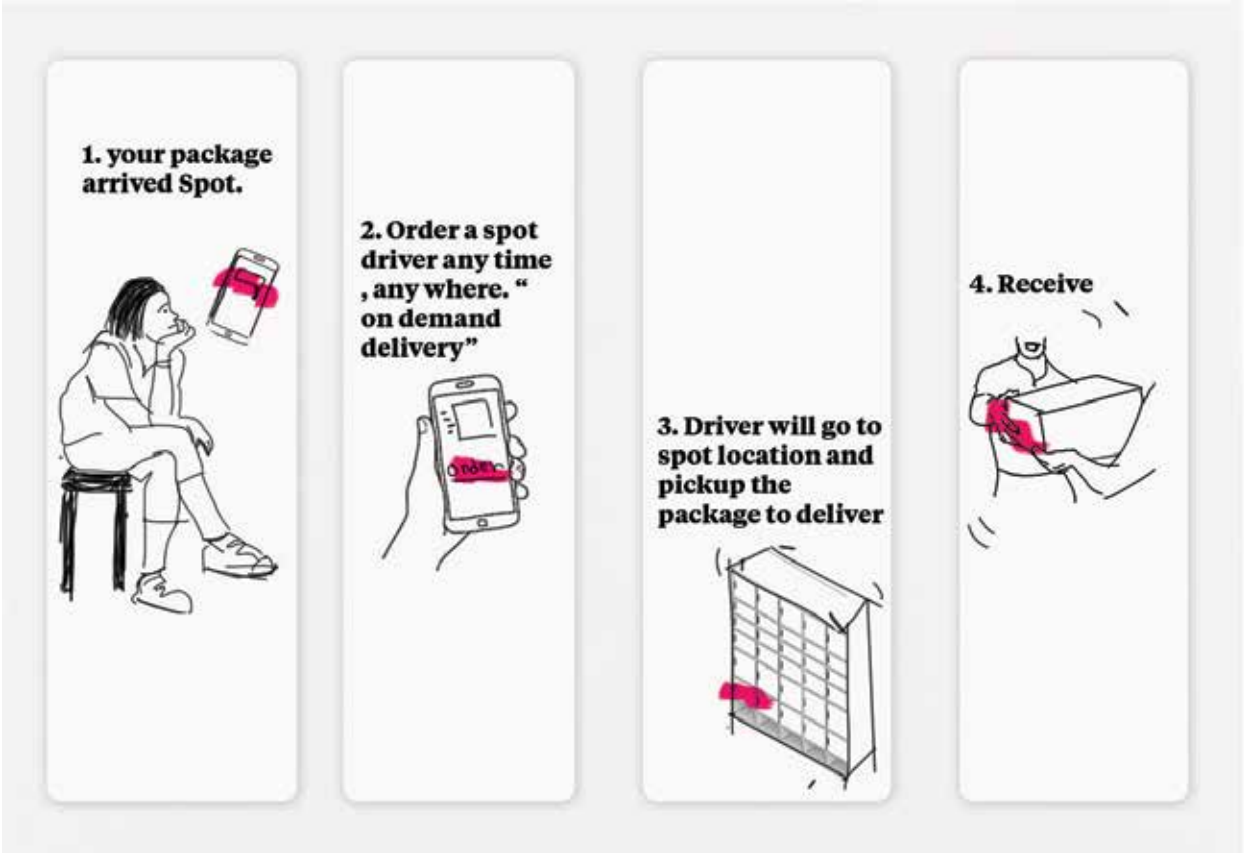
inour1997@gmail.com

Spot.

Designing a service for
e-commerce customers to
receive their packages in more
flexible and easier way.

Industrial Design Department


Spot is a 3th party company that ease receiving package to consumers
Container in petrol station which contain lockers
SPOT


1. your package arrived Spot.
2. Order a spot driver any time , any where. “ on demand delivery”
3. Driver will go to spot location and pickup the package to deliver
4. Receive

NO MORE WORRIES !

Zahra Almomen

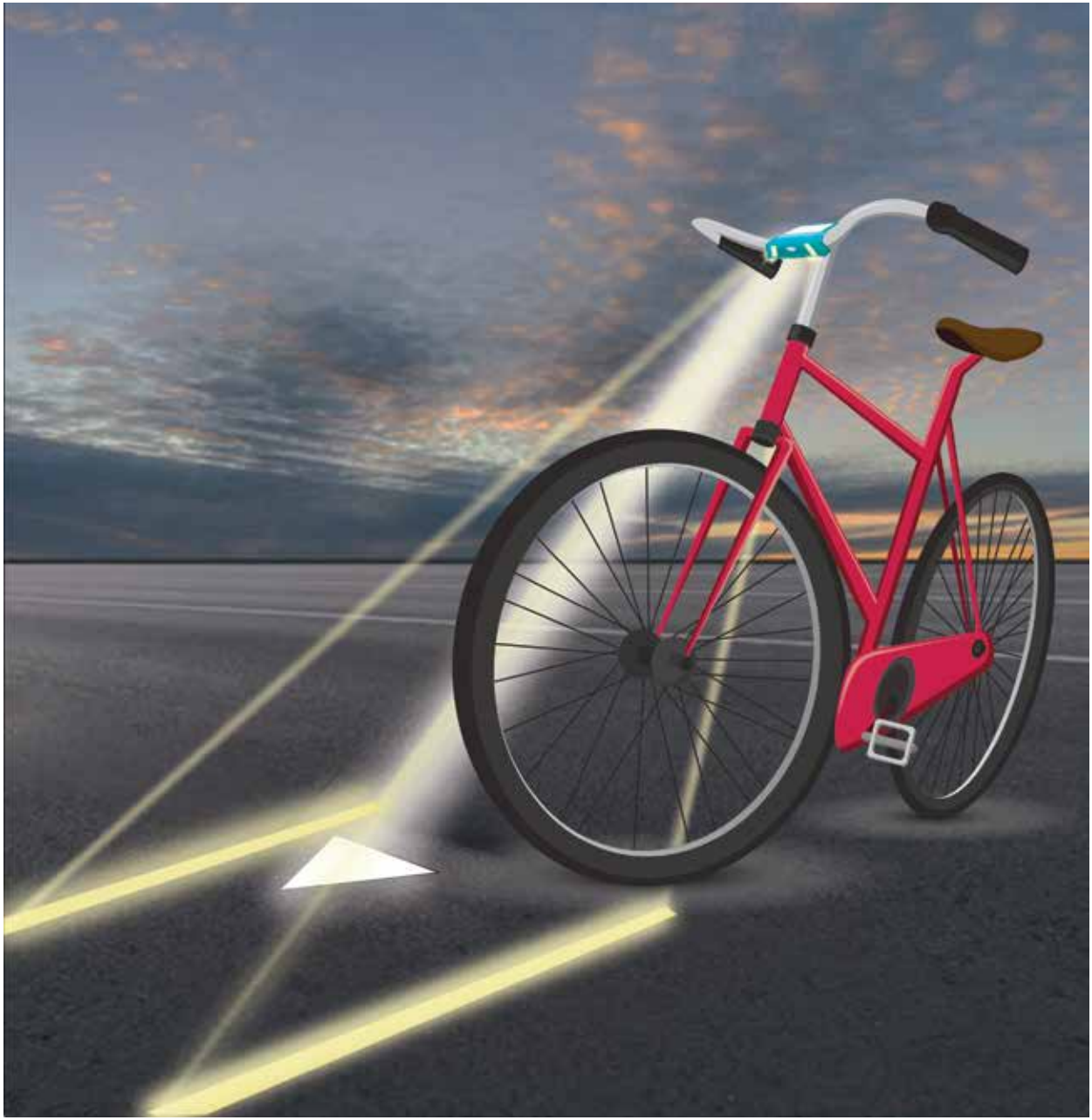
Zahra.monther96@gmail.com

In Safe

It is a biking system that enables the parent to keep on touch with their son bicycle rider while he follows a safe guide to less traffic car streets inside the neighborhood area.

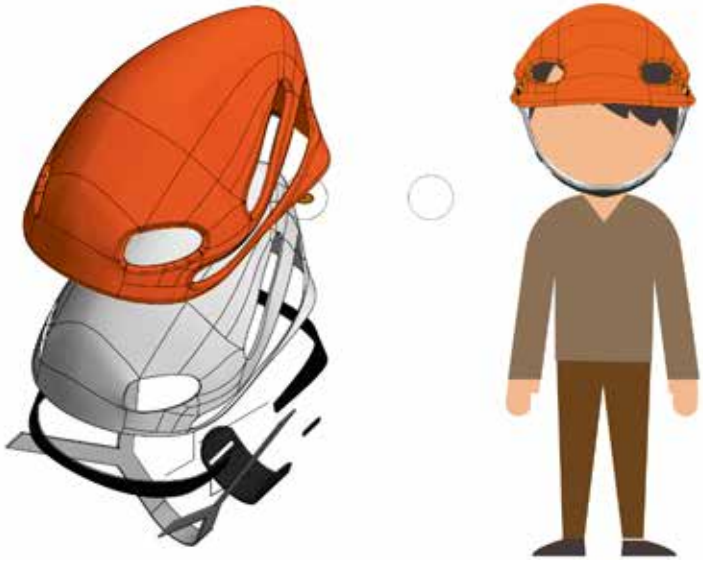
Industrial Design Department

Normal
biking trip
or
Have a
destinatio



Industrial Design Department

The parent can track their son if he wears the helmet by using a phone app



The helmet contains to a tracking chip that programmed with the phone app

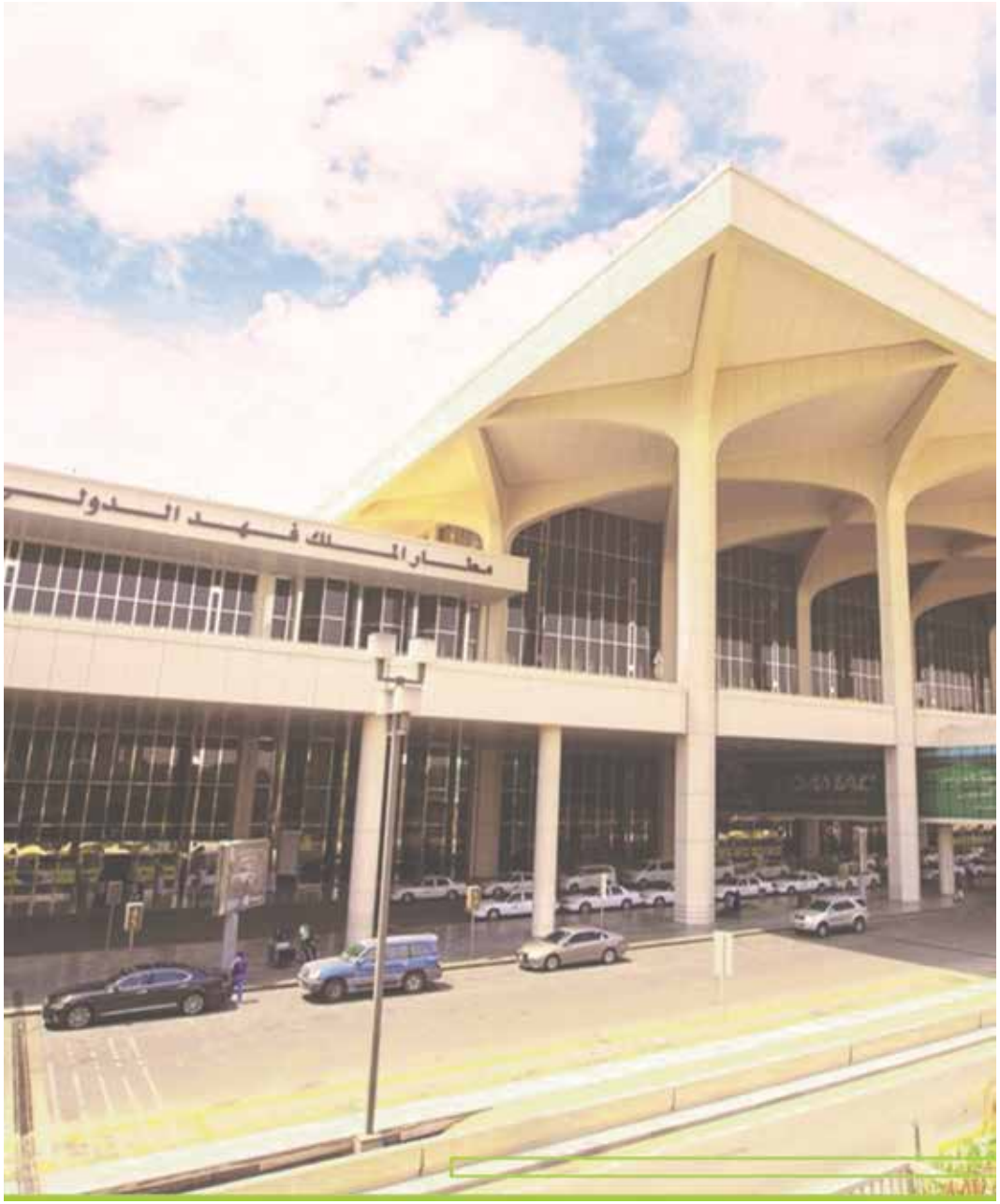
Rehab Al-Ghamdi

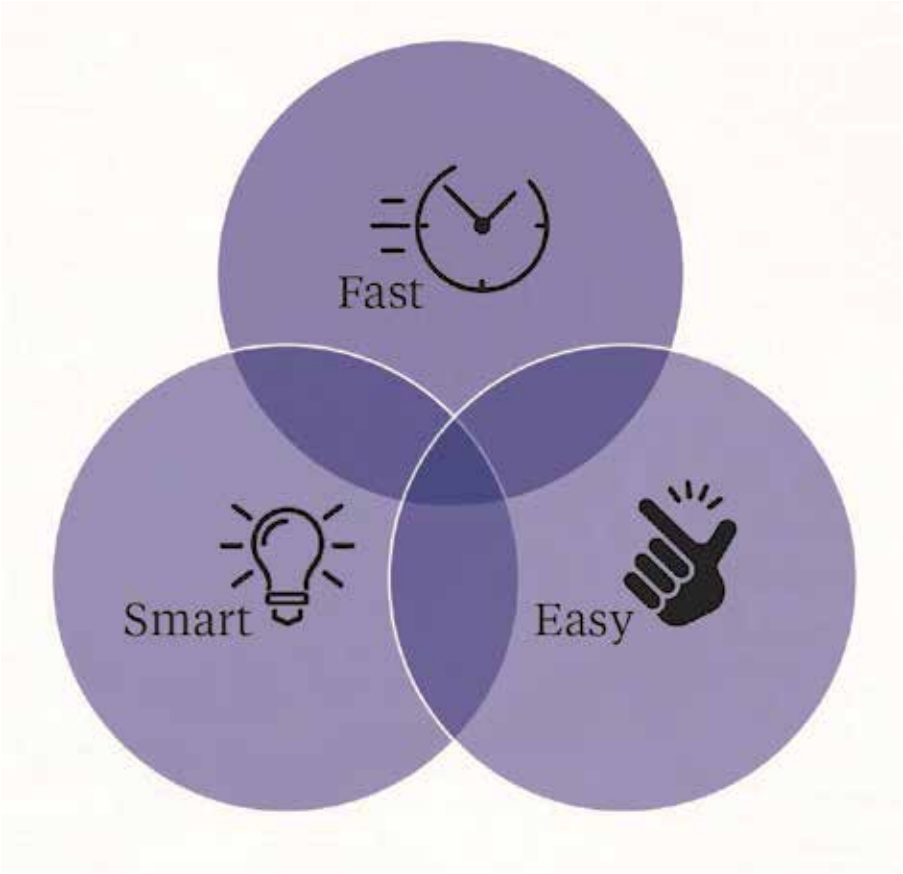
rehab.k.alghamdi@email.com

KFIA Self-Service

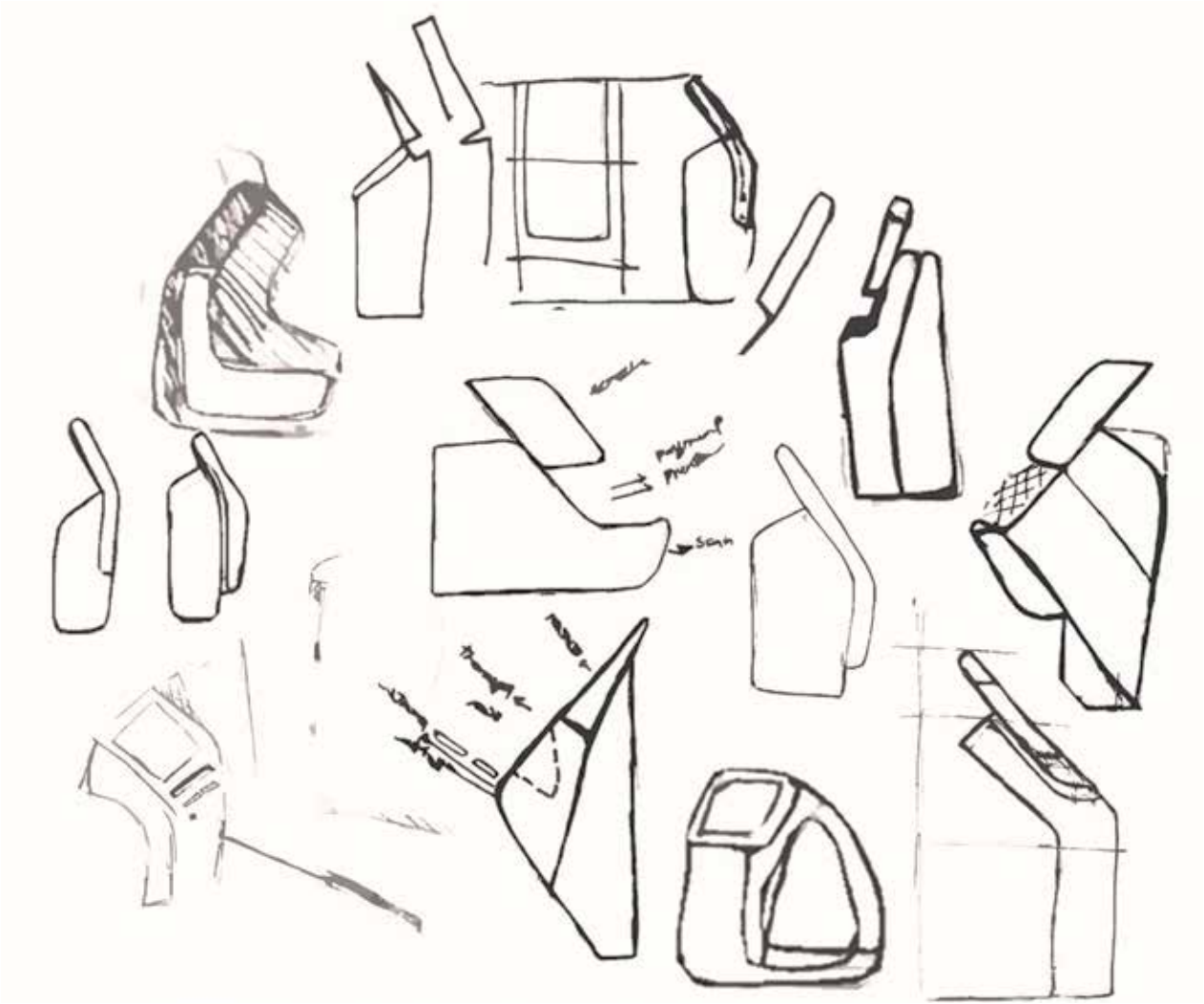
The project is to design a self-service of bag drop in King Fahd International Airport. It aims to improve the quality of the services and the customer experience to increase their satisfaction.

Industrial Design Department


مطار الملك فهد الدول



Design Solution



Ideation and Form Development

Hawra J. AlMusalam

Comfort X

Design pillow that enhances
quality of sleep for women
during the pregnancy period.

Industrial Design Department

COMFORTX

Industrial Design Department

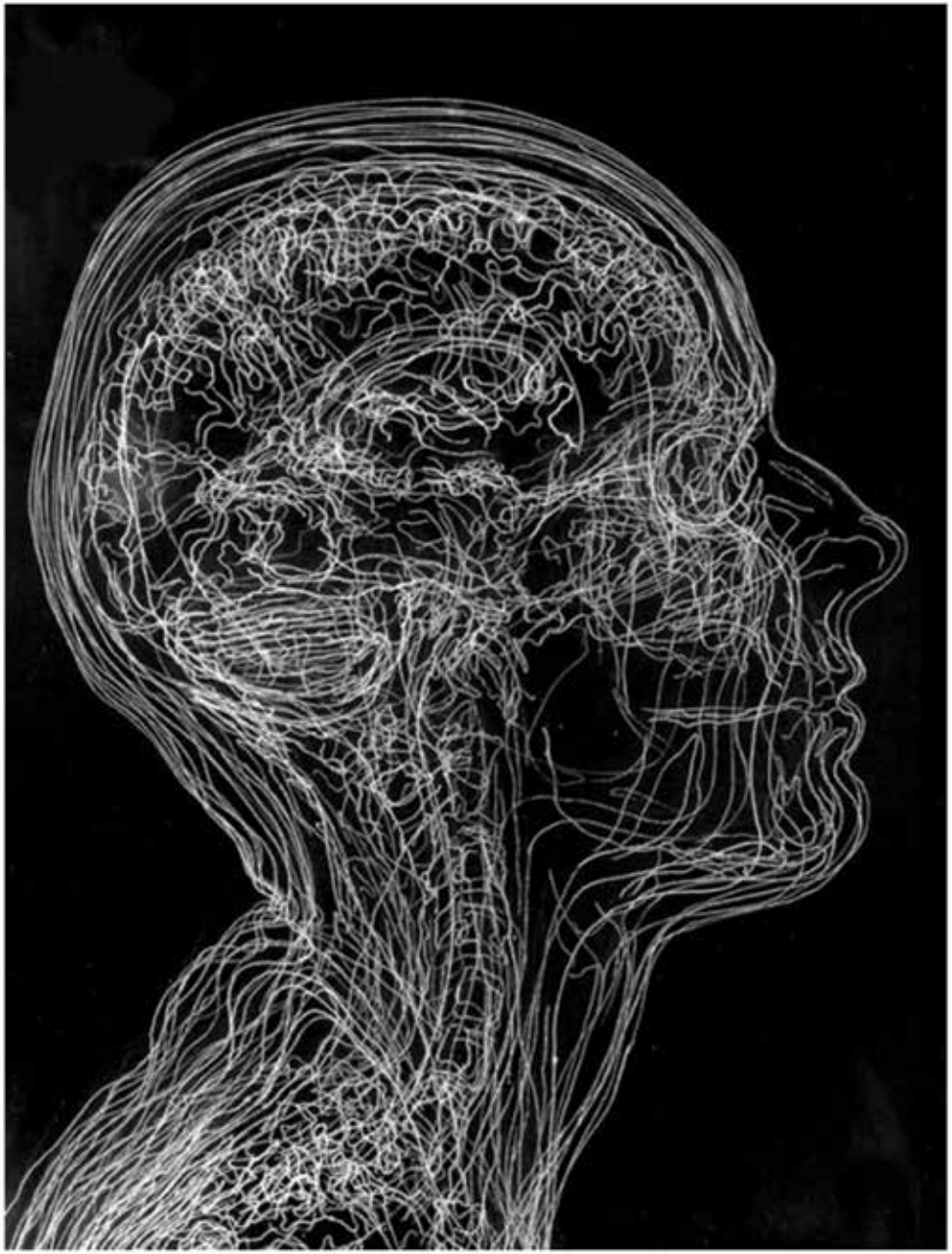
Rahaf AlBaadi

Rahafalbaadi@gmail.com

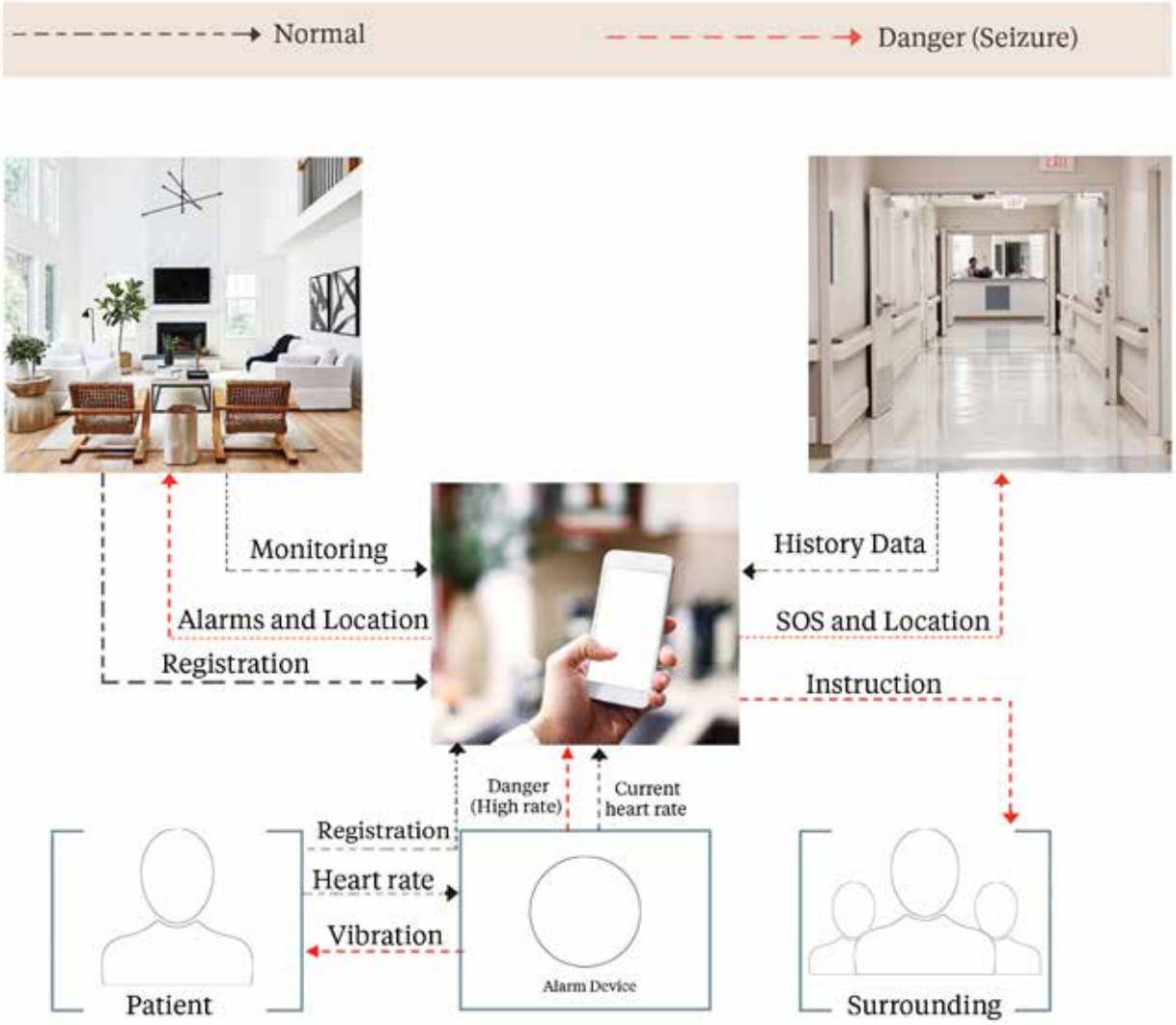
R.MEDY

A device aims to minimize the physical danger and negative emotions epilepsy patient faces while practicing daily activities by providing an alarming and the needed precautious.

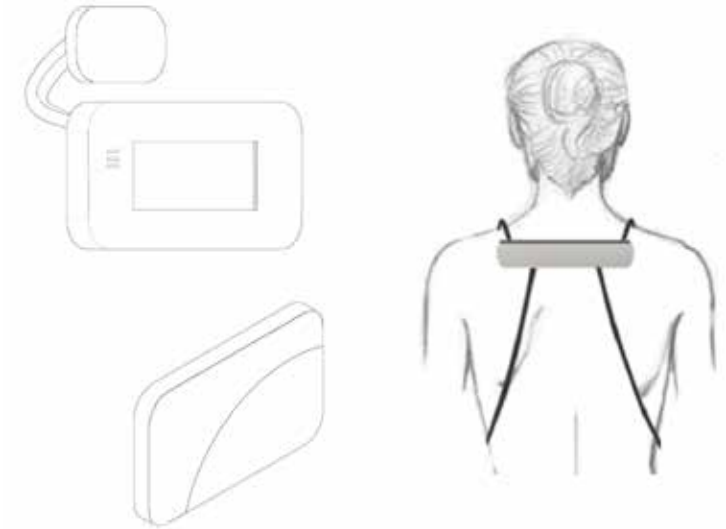
Industrial Design Department



Intangible System Map



Solution Parts



Ideation Process

Bayader A. Al-Eisa

issuu.com/bayaderaleisa/docs/portfolio
Bayaderaleisa@gmail.com

I Be

The project aims to design an Assistive Shopping Service to serve the largest group of the blind and vision-impaired population, in order to enhance their self-depence and user-experience.

Industrial Design Department

User Guide

At Home

Select items from the supermarket-app.

At Supermarket

The floor guide the blind to a special trolley

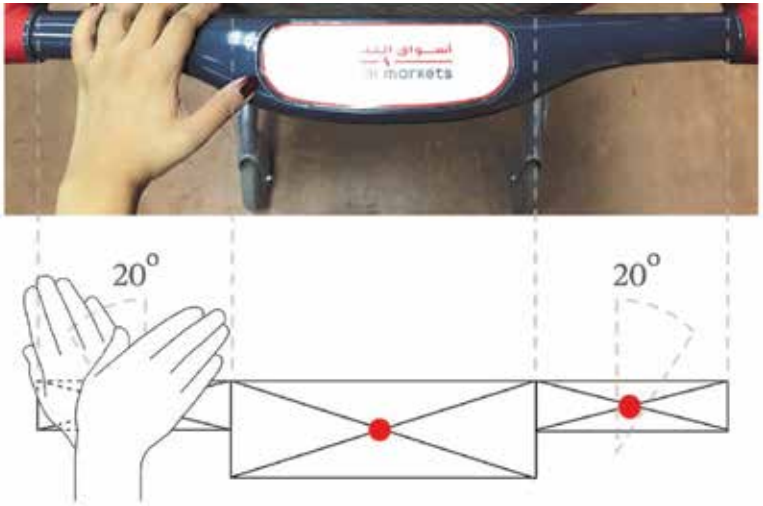
Transfer the selected items via Bluetooth to the assistive device to guide to the selected items

Upon arriving the needed item, the device will makes a sound

Moving in the supermarket through the balls in the grip which will vibrate when reaches the needed section

When the shopping journey is done, the device will guide the blind to the cashier automatically.

Ideation and Form Development



Trolly Handle Analysis

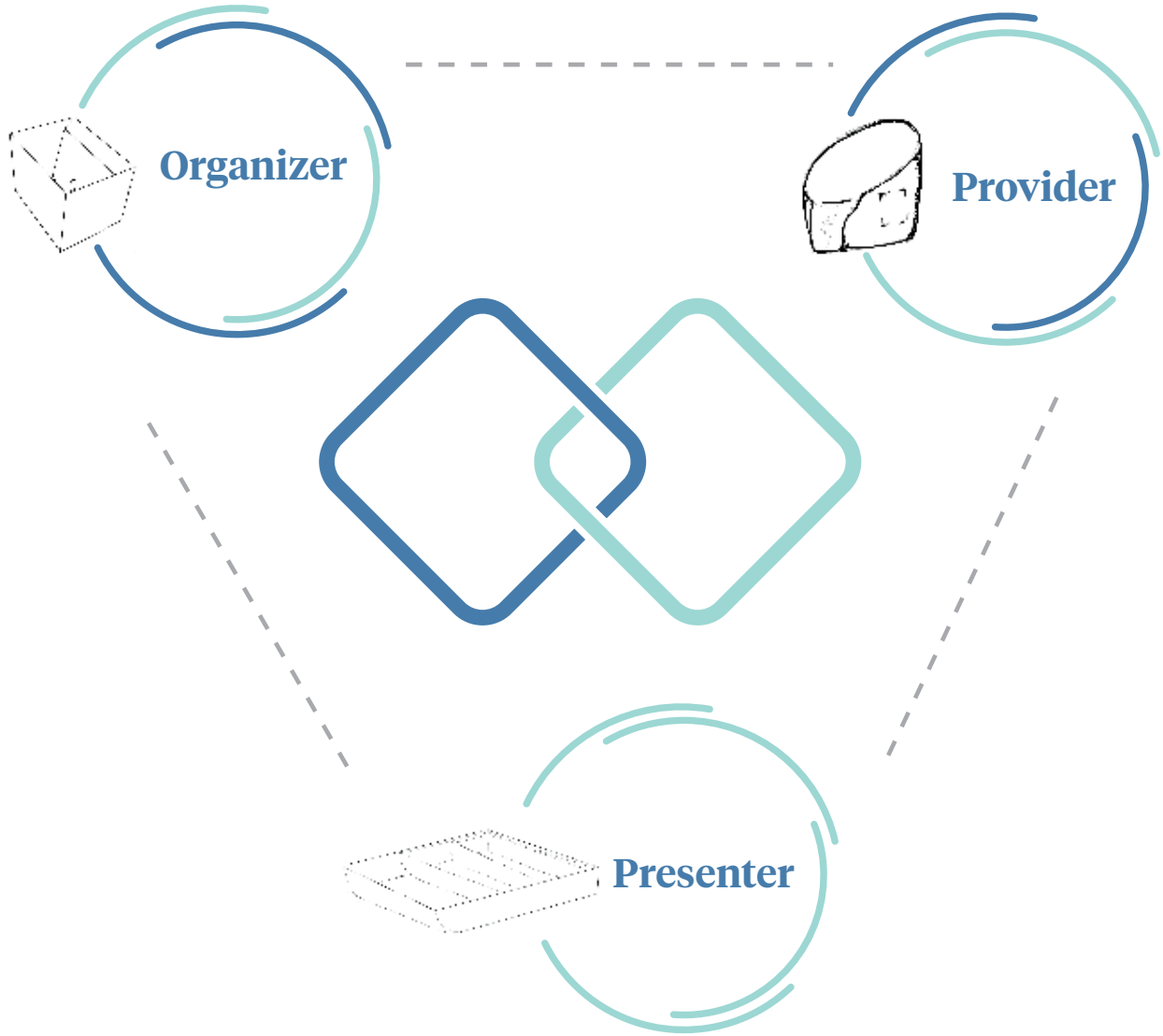
Amjad Alamoudi

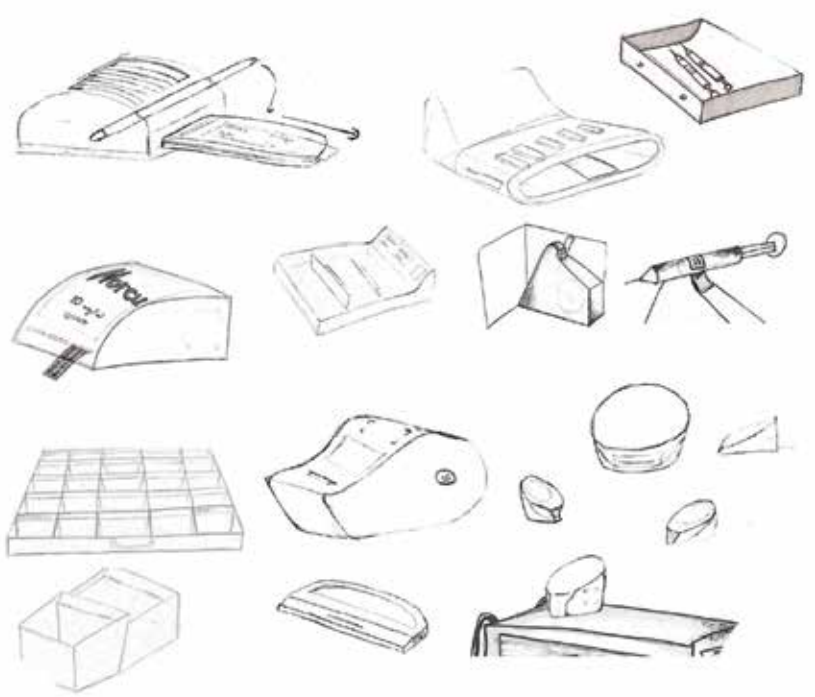
behance.net/amjadsamou2bdd
amjad.s.amoudi@gmail.com

CERT labeling system

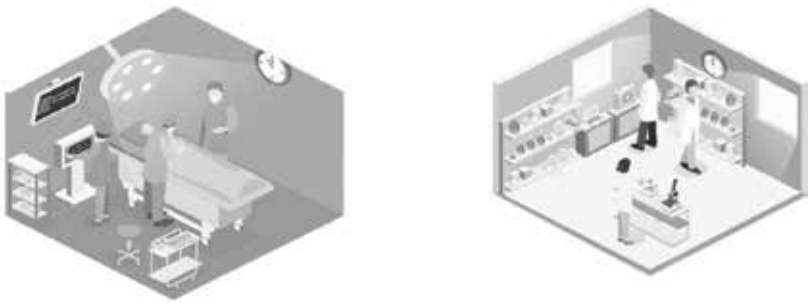
The CERT project is a system designed for the Anesthesiologists in the labeling process, to increase the efficiency and accuracy in order to reduce the probability of medication errors.

Industrial Design Department


Organizer
Provider
Presenter



Ideation



System areas

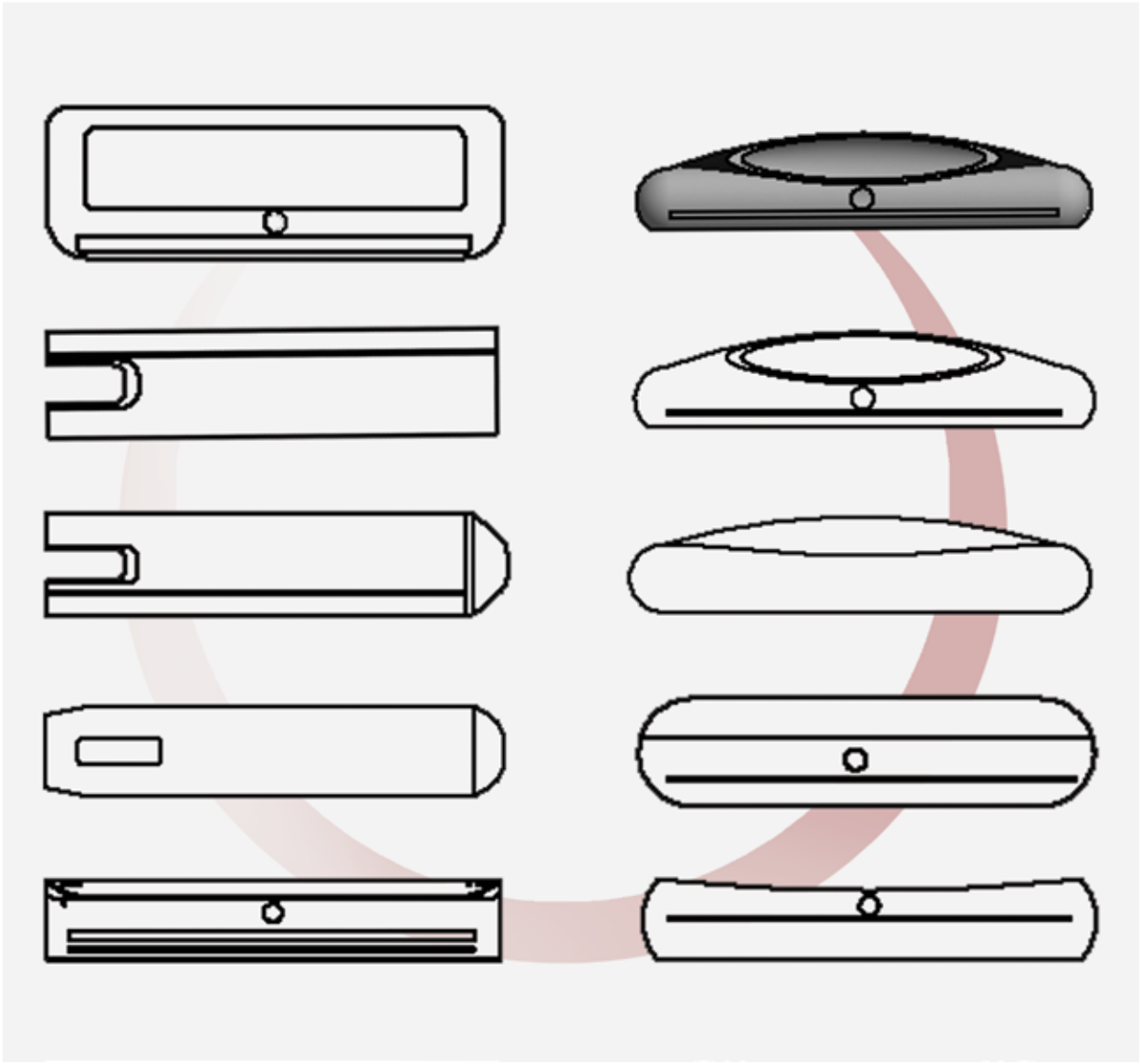
Njood Al-Arfaj

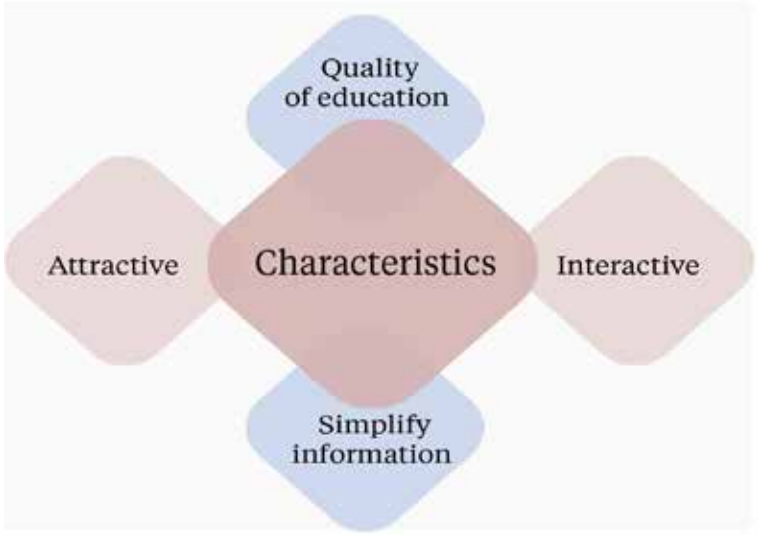
Njood.alarfaj20@gmail.com

Smart Notebook

Technical educational tool
for Classroom to make books
interactive, improve education
quality and stimulate students
participation.

Industrial Design Department




Quality of education
Attractive
Characteristics
Interactive
Simplify information

See you next year..