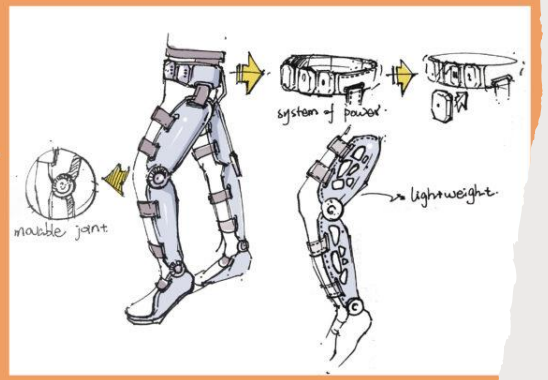
Design Scheme

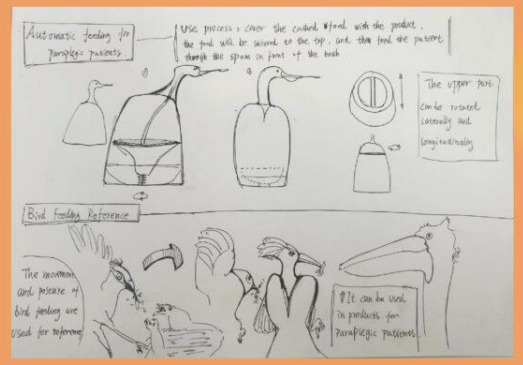
Scheme 1

This is a creative shoe w
a long zipper on the bac
and front, which can eas
be worn by patients who
paralyzed from the waist
down. For paraplegic patien
with foot drop, the feet can
be easily as simple as wearing
shoe covers. At the same
time, the insole in the middle
of the foot is added with
Chinese acupuncture point
massage, and the side of
the shoe is equipped with
heating pad, which can well
promote the blood circulation
of the lower limbs of para-
plegic patients, and is con-
ducive to the health of the
patients

This is a wearable device that captures muscle bioelectrical signals to identify the actions the user wants to complete, so as to help paraplegics to move, squat and other movements. The product adopts a lightweight design and is easy to wear. The power system of the product is a battery pack worn on the waist, which is easy to replace.



Scheme 2



The automated feeder m
the movements and ges
of birds in the hope th
will also be used to fee
araplegics.
The product is covered
cooked food, which is
stirred to the top and f
the patient using a spo
on the bird's mouth. Th
top of the product can
rotated horizontally, a
a small amplitude of lo
tudinal rotation, to me
the details of the feedi
action

Feedback Scheme

After we discussion of each of your concepts, we have sorted out the advantages of each of your designs. Each of your design concepts are on point and interesting. To moving forward, we decided which of our injured clients benefits the most and potential future development products.
What we want you to deduce from your design is as follows.

- We think that a wearable device is more suitable and on point with our brief. And we think it helps the injured people in their daily lives (walking, cooking, sports, etc.).
- The material and ingredients must be safe for the skin and the environment (sensitive to the skin).
- As we see through your design, is there any protection that covers the feet to the ankle?
- In order for the client to walk comfortably without feeling the product's weight around their legs, the product should be relatively lightweight. And you need to focusing on the specific components and ingredients that give the product lightweight.
- Because our target audience is younger generations, it could be more colourful and have different variations.

Q & A

- As we discussed, we wondered: do you have any opportunity to design your prototype in a practical way or in a digital format such as a 3D model? We would like to know how you reflect on your module for this project. I'd love to hear your plan and responds ! Thank you.

-Group 11