3：We all know that there are thousands of different types of drawing robots on the market. But the product we make is not only for drawing operations, but also for a beautiful decoration. After consideration, the appearance of the Zenobia is a steamship in industrial era.

4: This is our CAD Modeling. Since many new functions was added into our product, we changed the appearance many time. Here is the final version of the appearance of Zenobia.

5: We designed the electric indicator light in the captain's room, set the horn in the whistle position, which made the appearance of the steam boat closer to reality and reflect the romantic feeling of steam punk in the industrial age.

6: We used Chevron board as the main material. They are light and are easy to be cut into different shapes, which made it's easier to build the complex appearance we designed.

We used Photoshop to design the textures of the Zenobia. We used them in both the CAD Modeling and the real shell. We put textures together and print them onto the paper and used glue to paste them on the real shell of Zenobia.

9:

* Infrared devices: Used to enter the Bluetooth mode and all the basic functions of drawing
* Bluetooth device: Used to implement the actual connections computer software programming and hardware operations
* Drawing and walk: You can stroke by arrow keys to control the car and paint waht you want graphics by pen
* Ultrasonic obstacle avoidance: avoid collision
* Led light: use light to show operation state
* Buzzer: use to play the music and warn