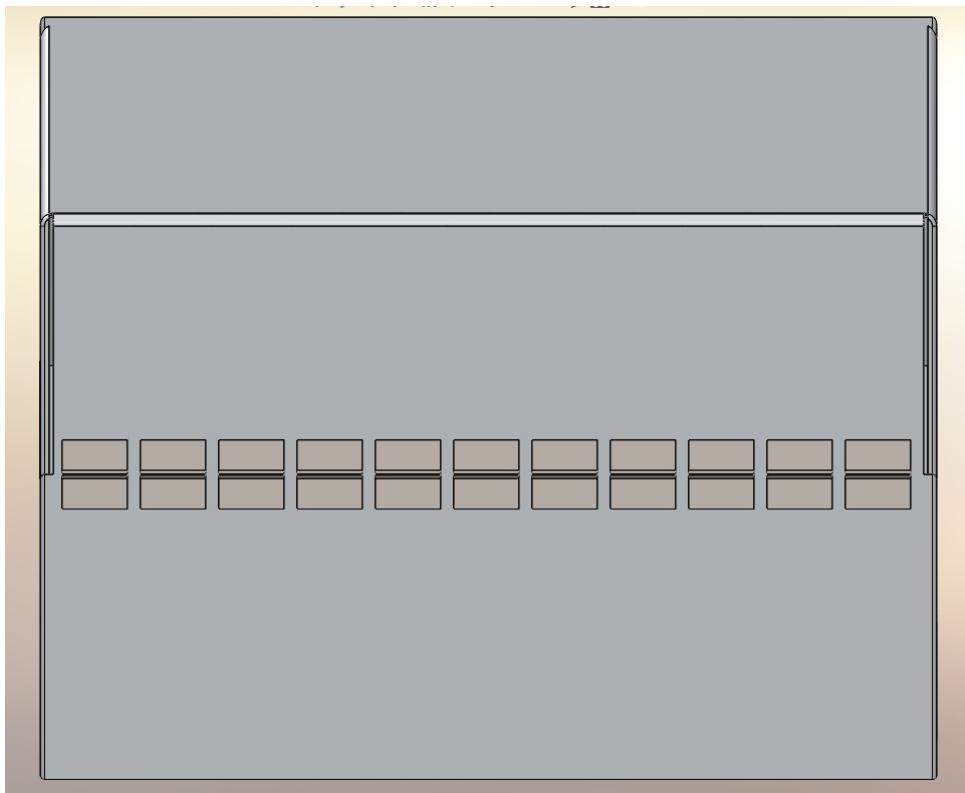


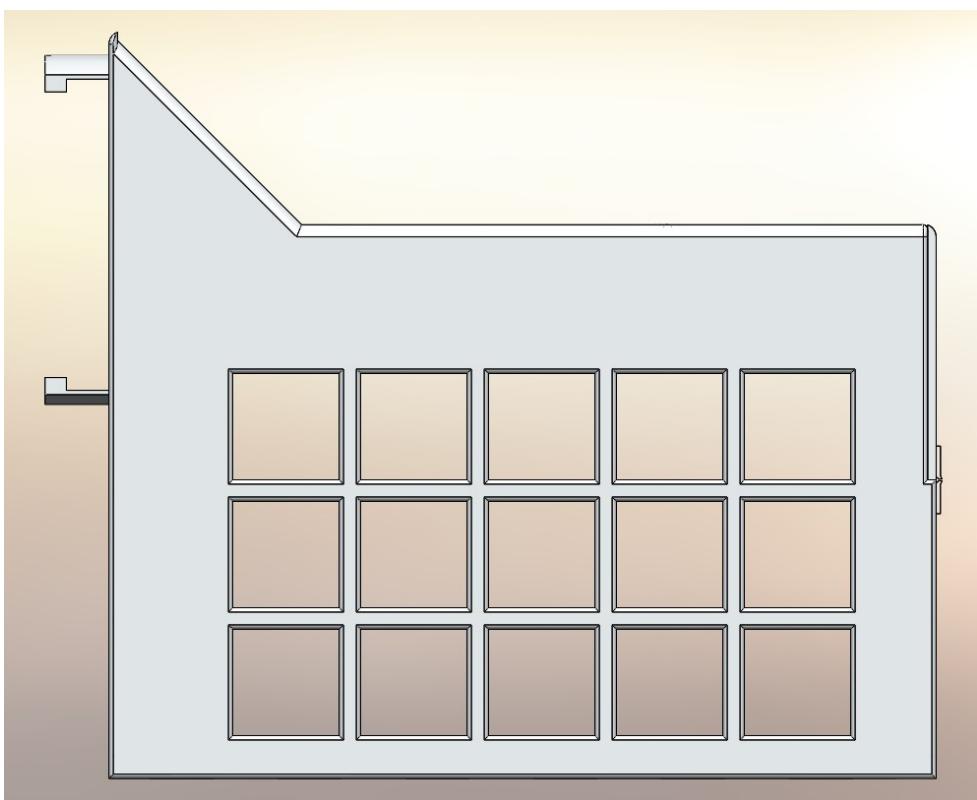
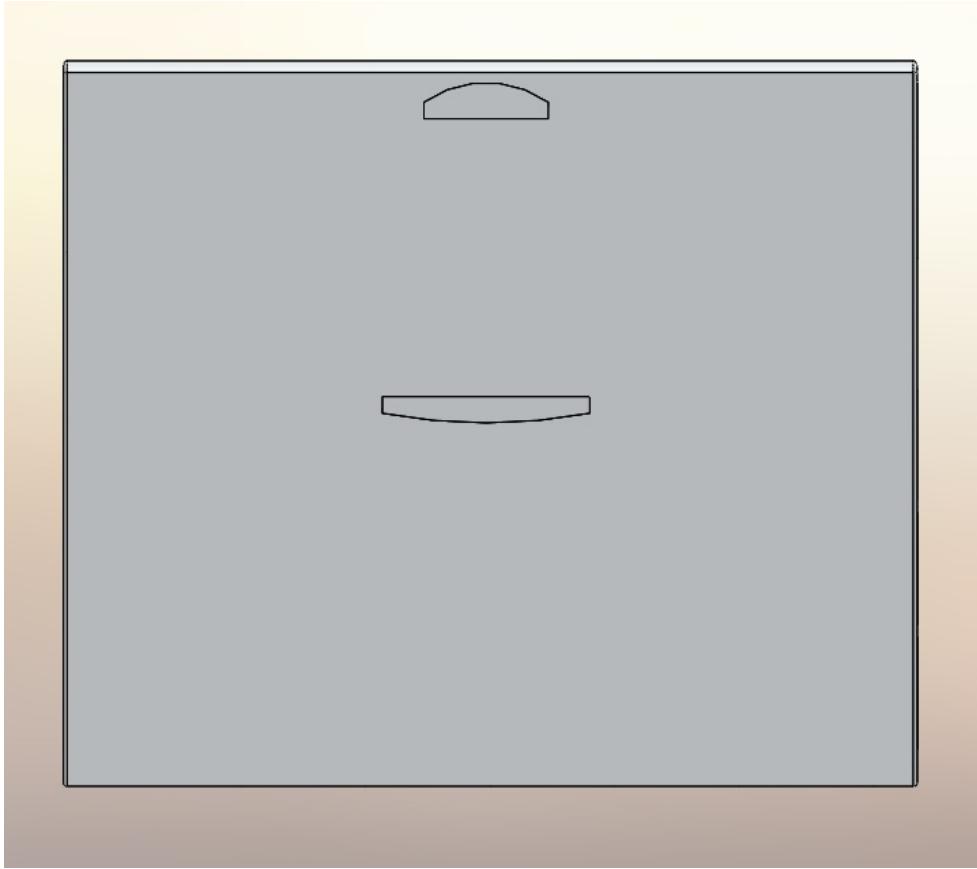
6A - MECHANICAL DESIGN

There are two parts of the toy

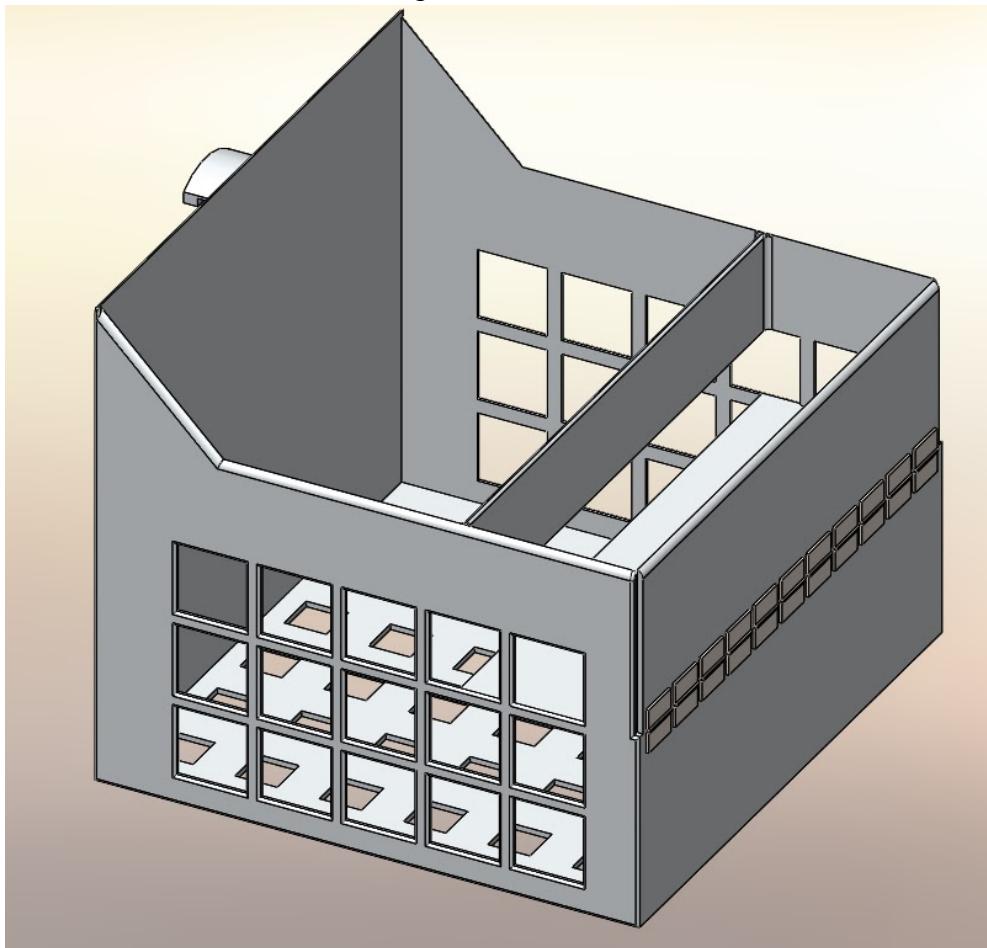
1. Inner
2. Outer

The orthographic views of the Inner part are shown below





The isometric view of the inner part.



The functions of the inner part:-

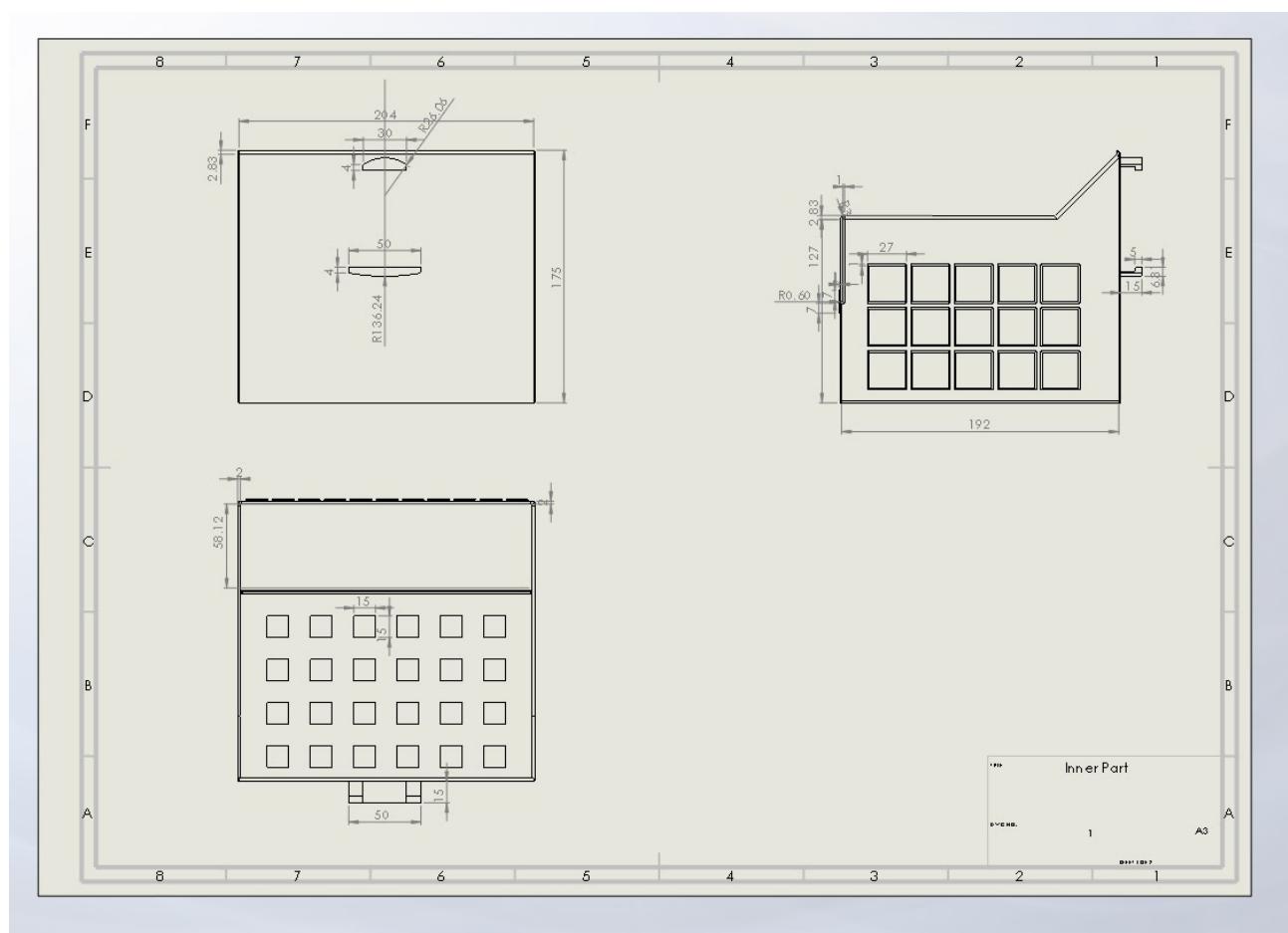
1. To provide sufficient stiffness.
2. To work as the base of the toy.
3. To hold the mobile phone.
4. To contain and protect the electrical devices.
5. Internal structure of the toy.
6. To increase the robustness.

7. To provide safety of the mobile.

Material used:- Aluminium alloy 6061

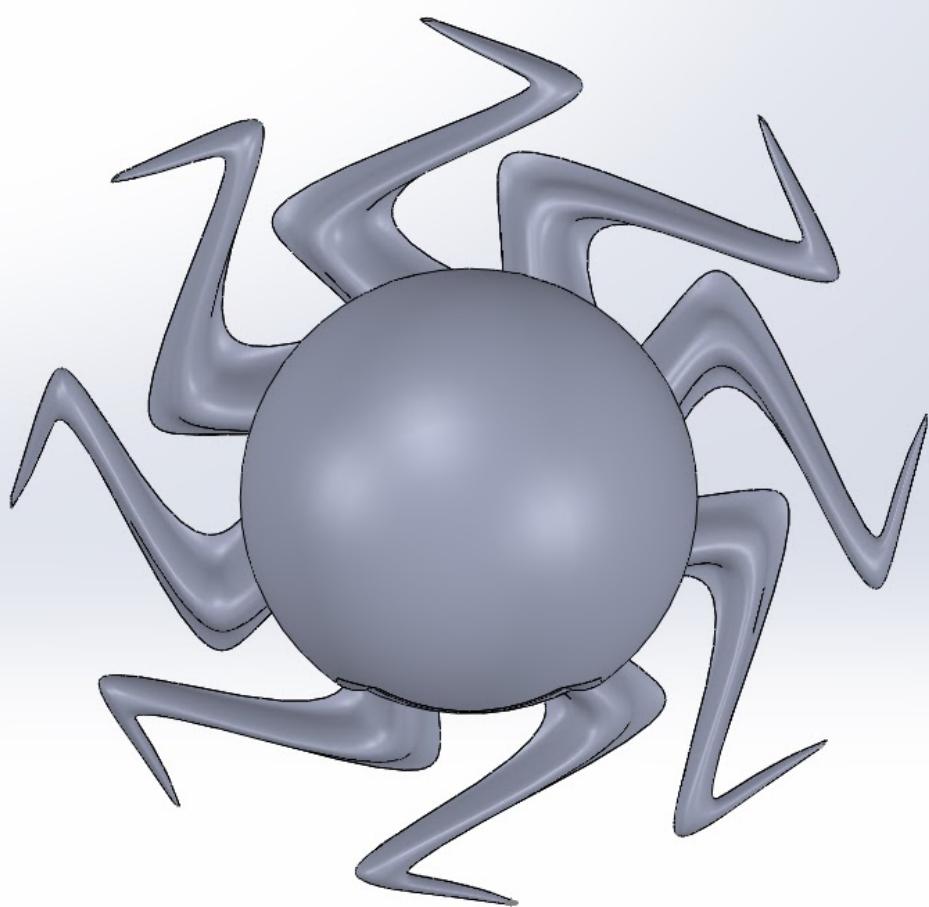
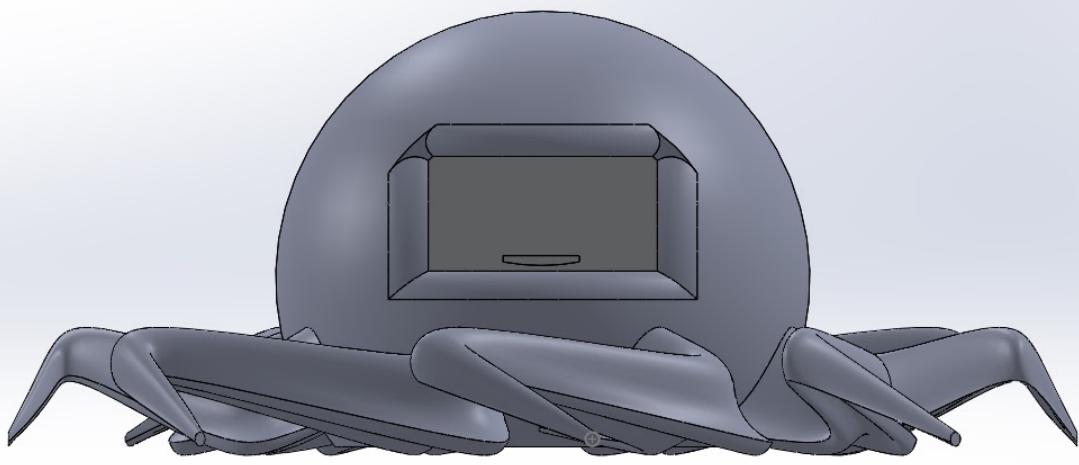
Reason:-Light weight, and stiff.

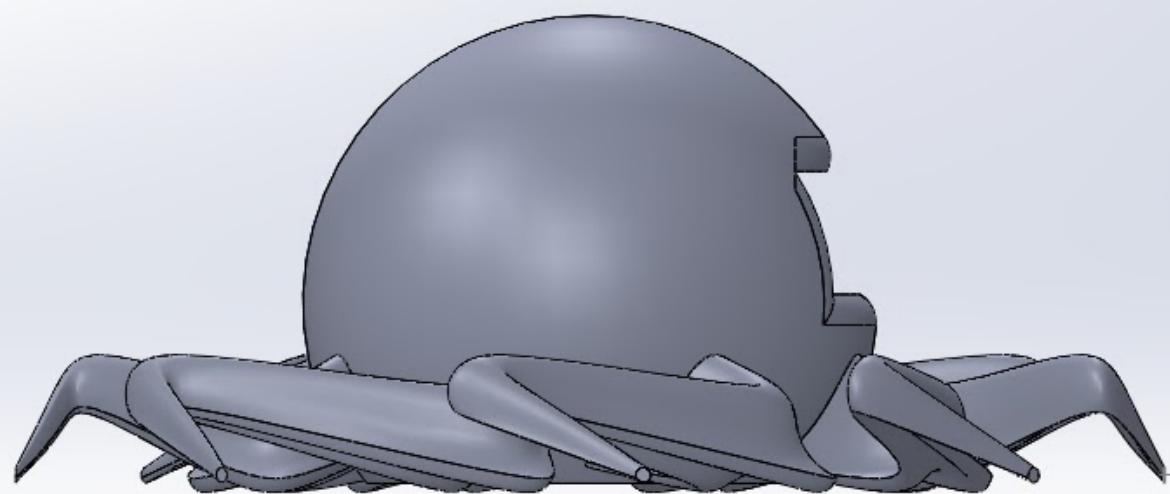
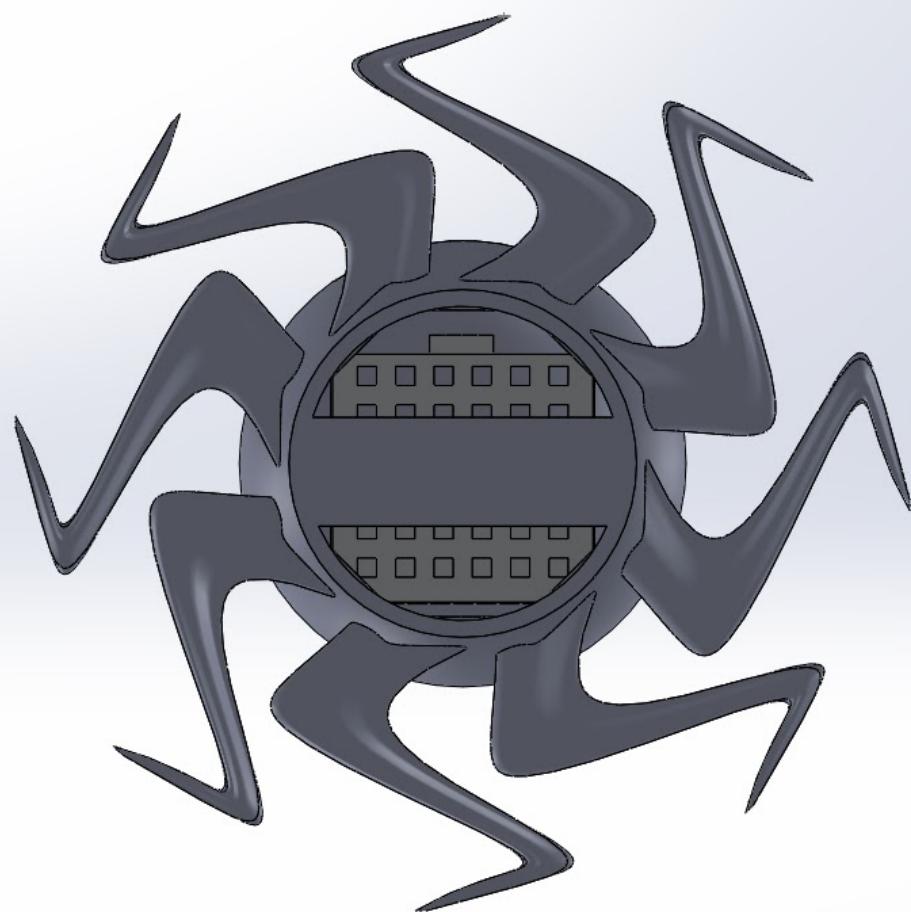
Drawing sheet for inner part:-



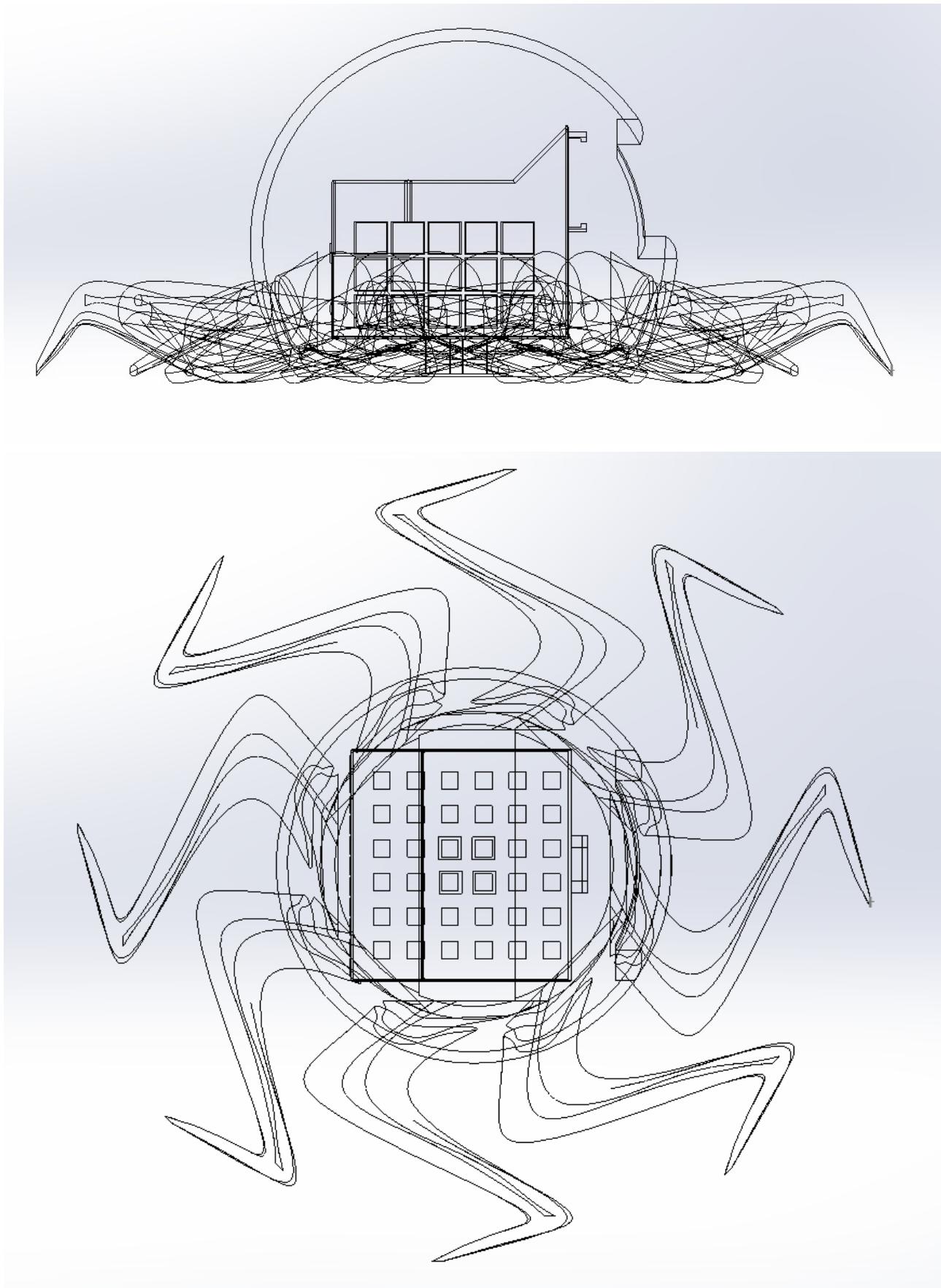
All dimensions are in mm.

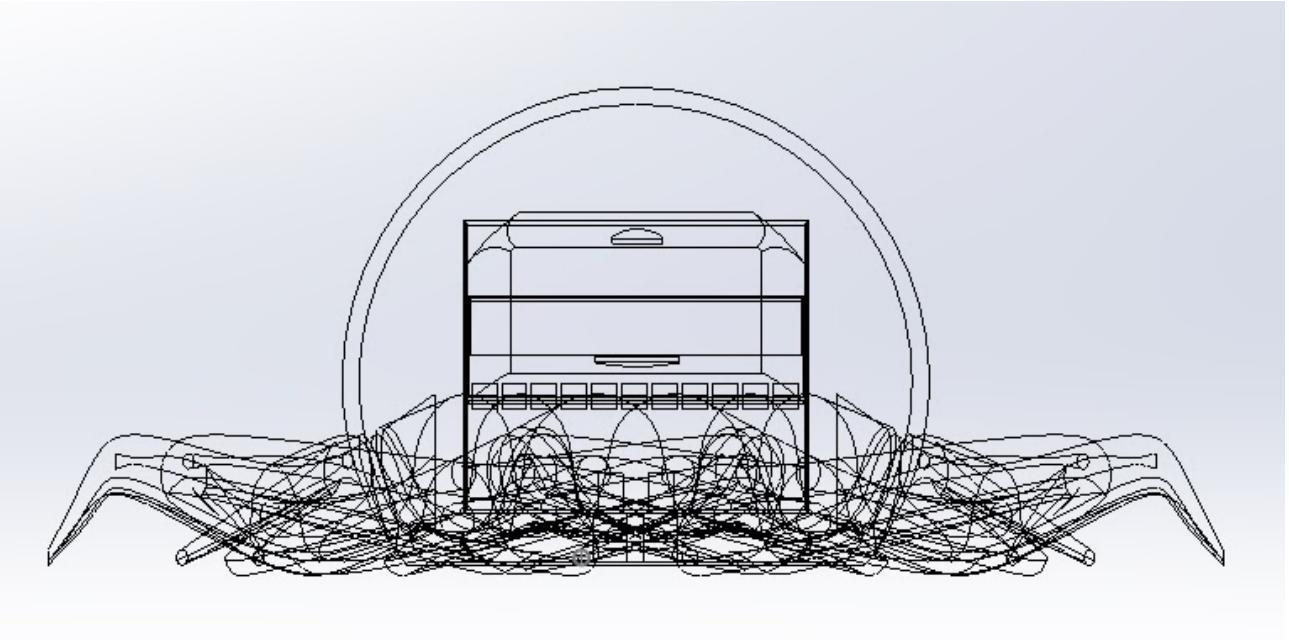
The orthographic views of the assumably (Outer + inter part) are shown below.



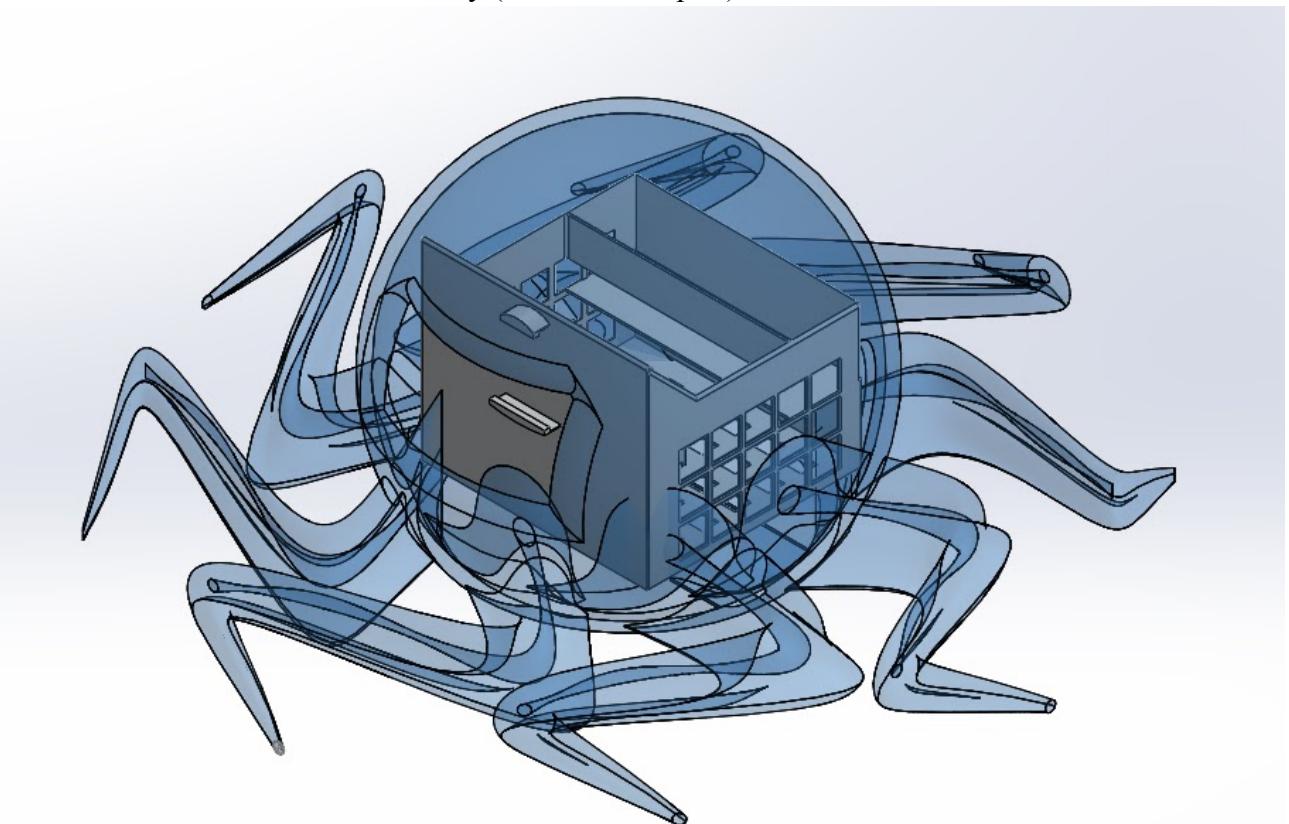


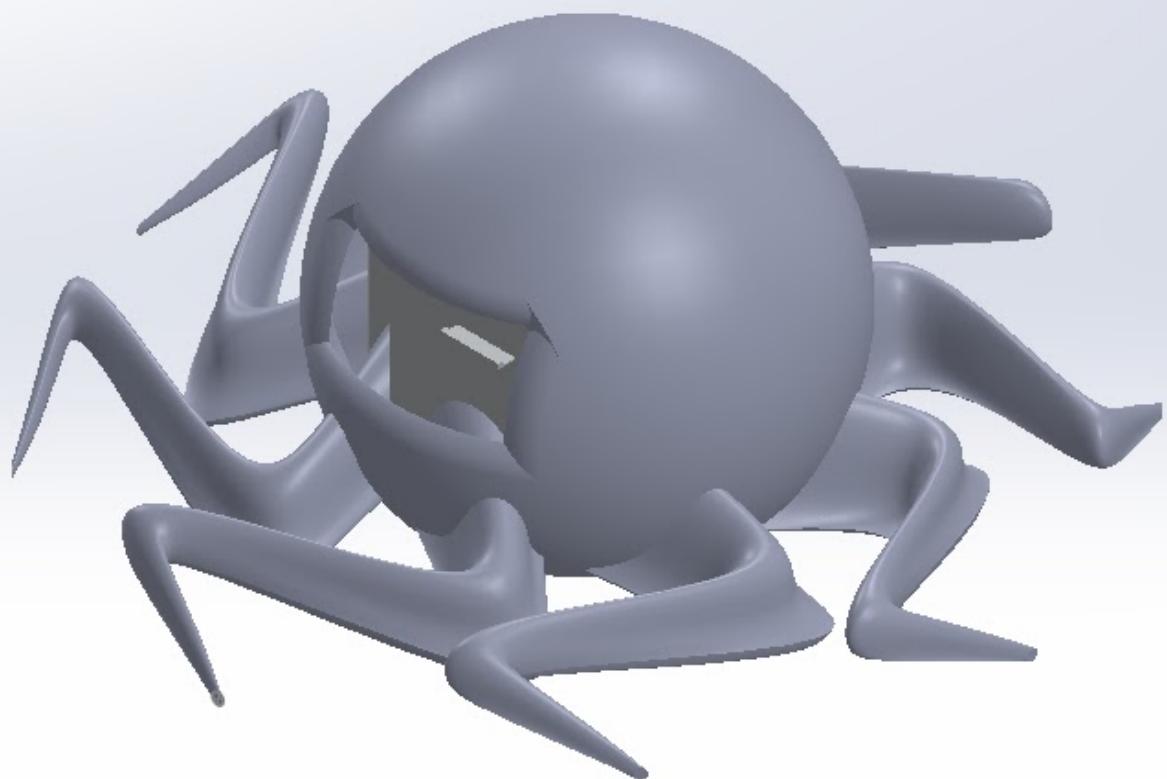
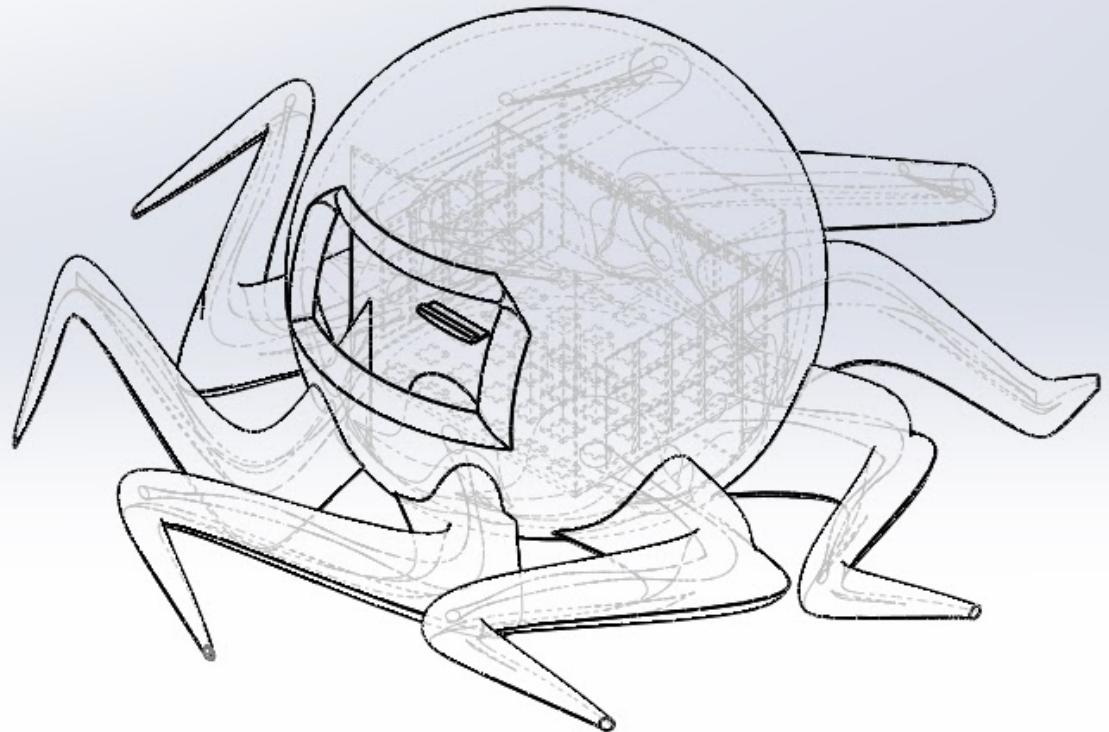
The orthographic views of the assumably (Outer + inter part) in wireframe are shown below.

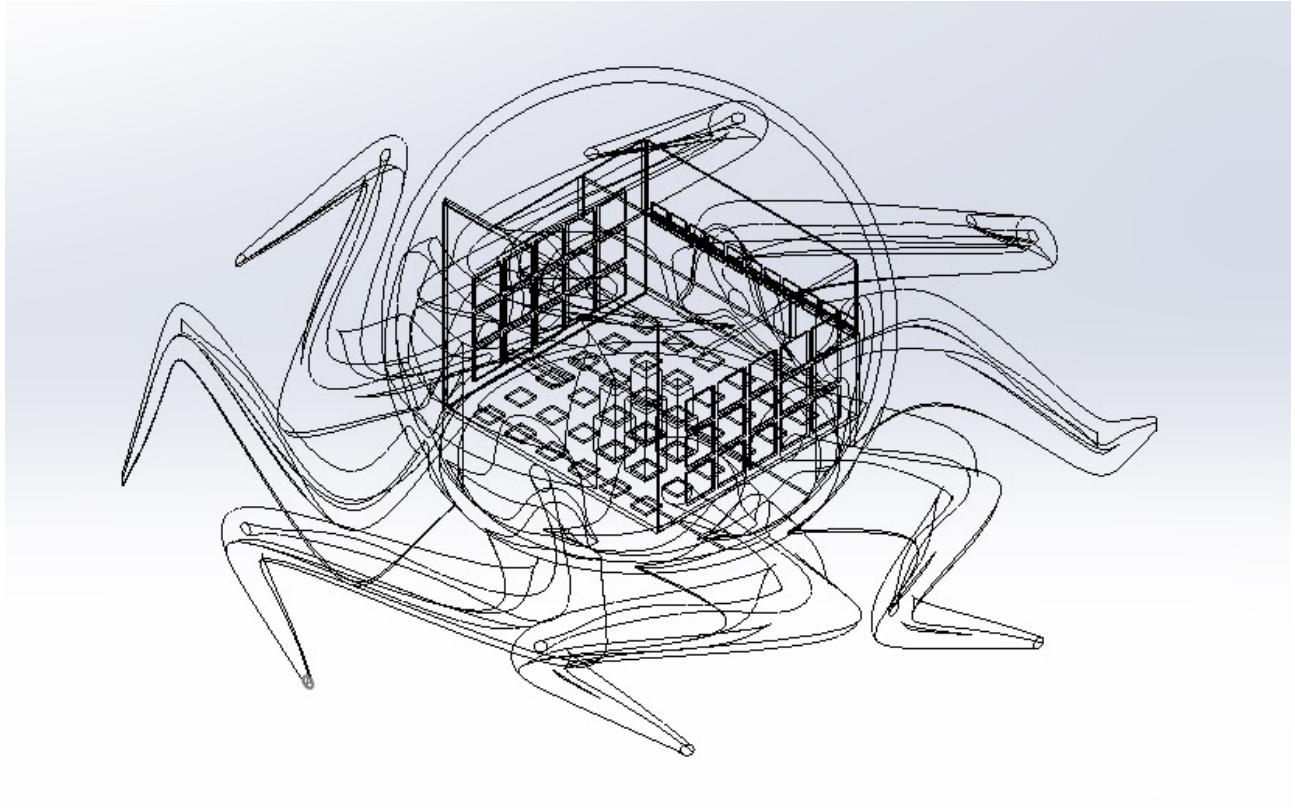




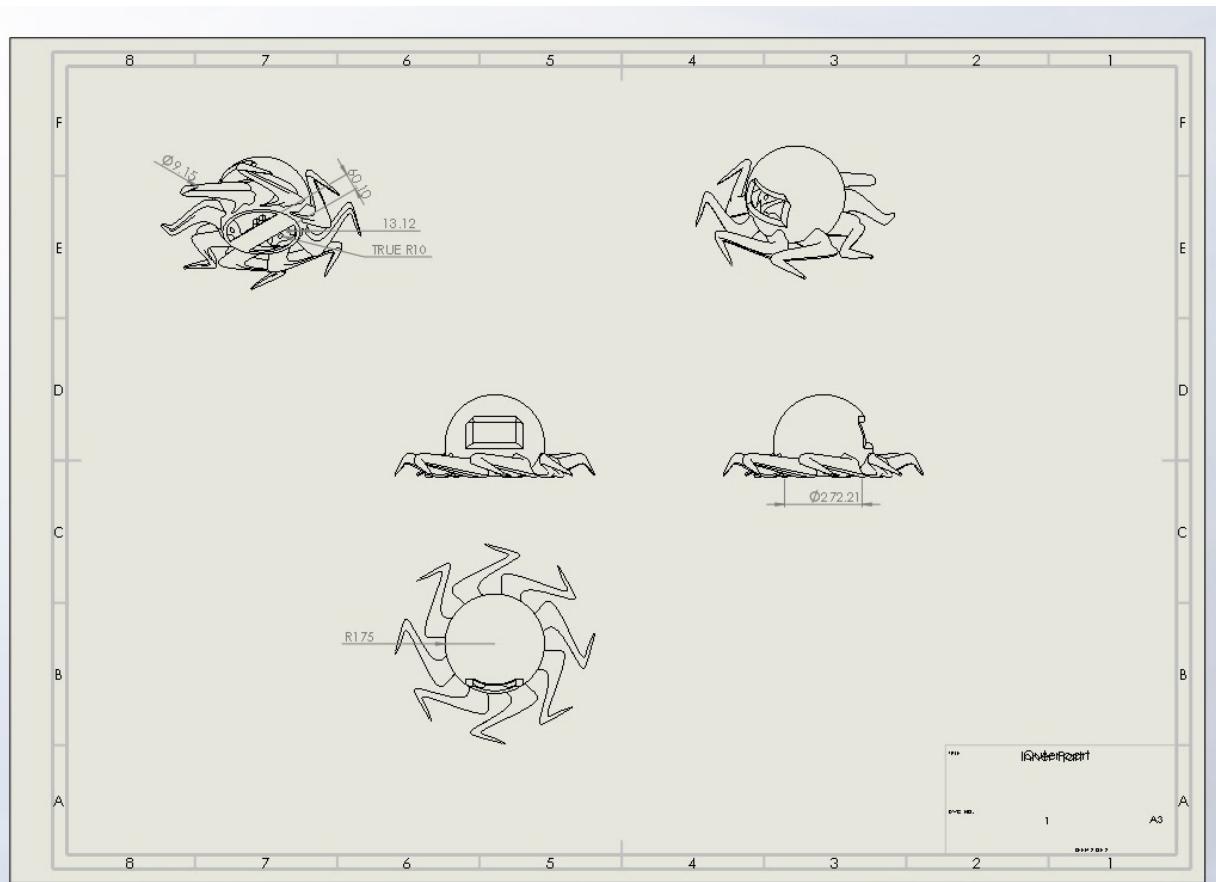
The isometric views of the assumably (Outer + inter part).







Drawing sheet for Outer part

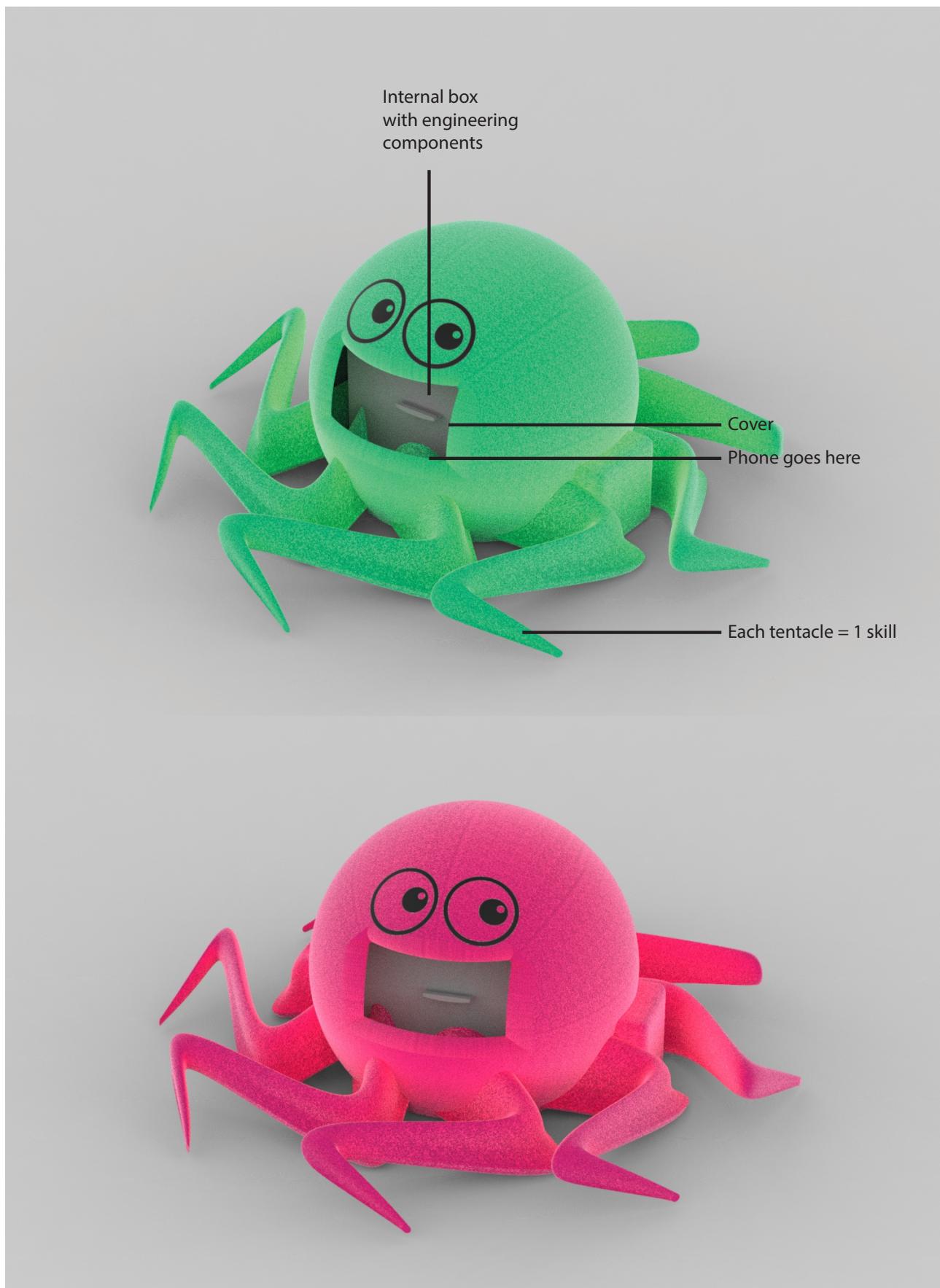


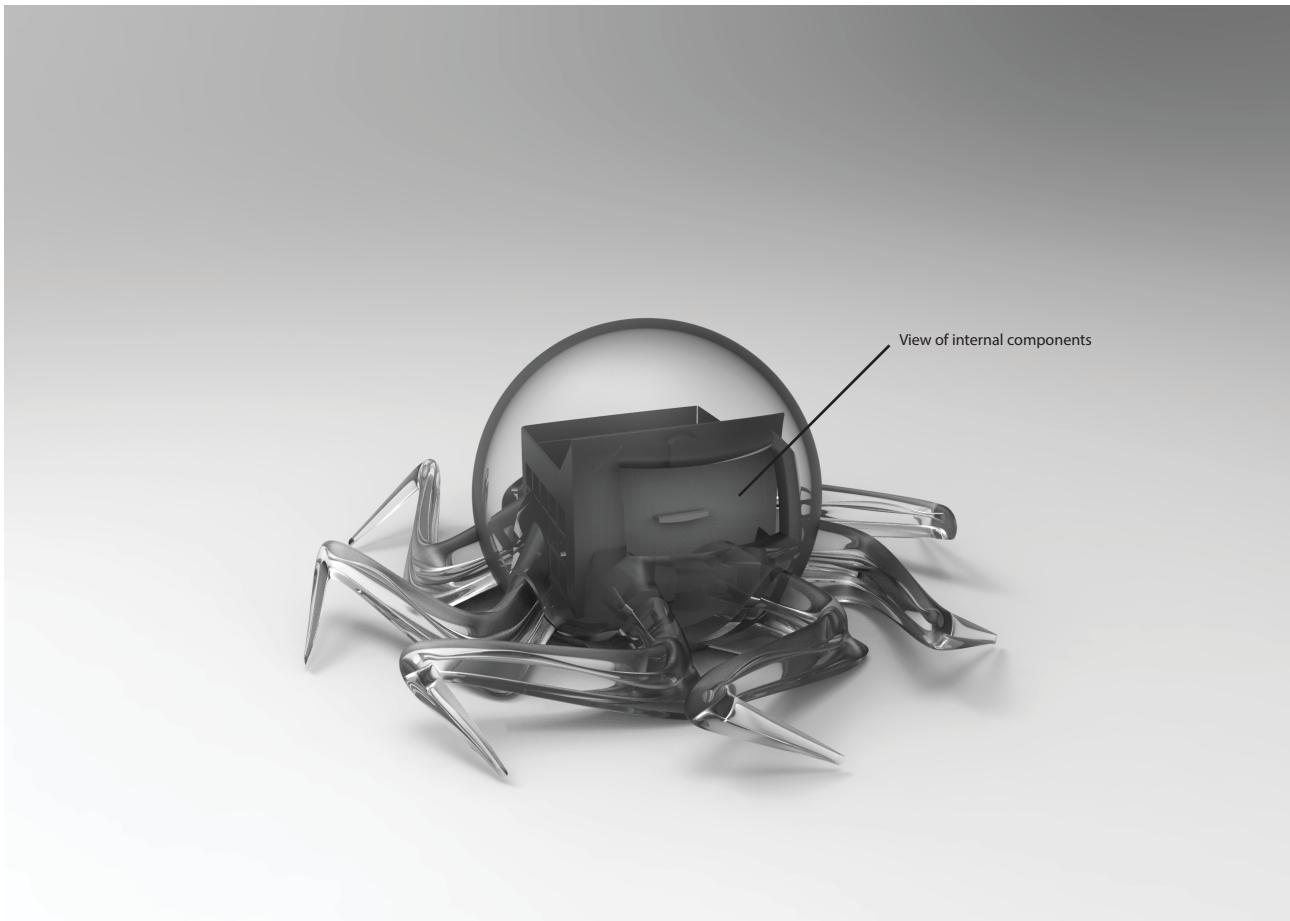
The functions of the outer part:-

1. For the softness of the toy.
2. Aesthetics of the toy.

Material used:- Felt and cotton.

CAD MODEL & RENDERS





View of internal components