# **PROJECT OVERVIEW**

**1.Objectives**

The main objectives of this project are:

* To create a tank that translates and fires projectiles by incorporating a firing mechanism with multiple degrees of freedom.
* To get familiarized with basic manufacturing processes such as drilling, turning, milling, cutting, 3D printing and control using Arduino programming.

**2.Parts manufactured**

6 parts were manufactured in total.

**3.Project cost**

The estimated cost of this project is Rs. 4030.

**4.Improvements**

* A steering mechanism could have been implemented to add an extra degree of freedom.
* A system that allows one to control all motors with having to connect them to the arduino.