**Expected shortcomings in device:**

* Every engineering device must have some short comings.
* Related to linear launcher project we will do over best to reduce the shortcomings.
* But that is not possible that all the short comings will removed.
* But it is possible that their number will be reduced.
* So as a student of mechanical engineering it is our duty to reduce the shortcomings.
* Here is the list of some expected shortcomings that we will face when we will fabricate our project after the reopen of university.
* **1. Angle measurement:**
* Angle measurement is a defect of our expected device that we will make because will not designing any particular instrument for measurement. We will measure angle with the help of protector without any special instrument attached with device. So our angle may have an uncertainty of almost 2%.
  + So this will be the first expected shortcoming of our expected device.
  + But we will try to reduce the uncertainty in angle by taking an average reading of angle.

1. **Rotation of movable plate along only one axis:**

* The movable plate which is on the base plate is only movable along x-axis.
* The movable plate is restricted to move along y-axis and also along z-axis.
* This is an other expected shortcoming of our expected device.
* The design of our device will allow movement along only one axis.

1. **Friction in the pipe and air resistance:**

* This is the natural shortcoming of every mechanical device. We will not overcome air resistance but friction in the pipe can be overcome by the help of lubrication but will not be erased completely.