

# Image Based Angle Measurement For Metal Formation In Laser Cutting

---

**Name of the faculty member:** Avishek Adhikary

**Name of students:**

Vivek Shirdhonkar(11941390)

Vikash Meena(11941350)

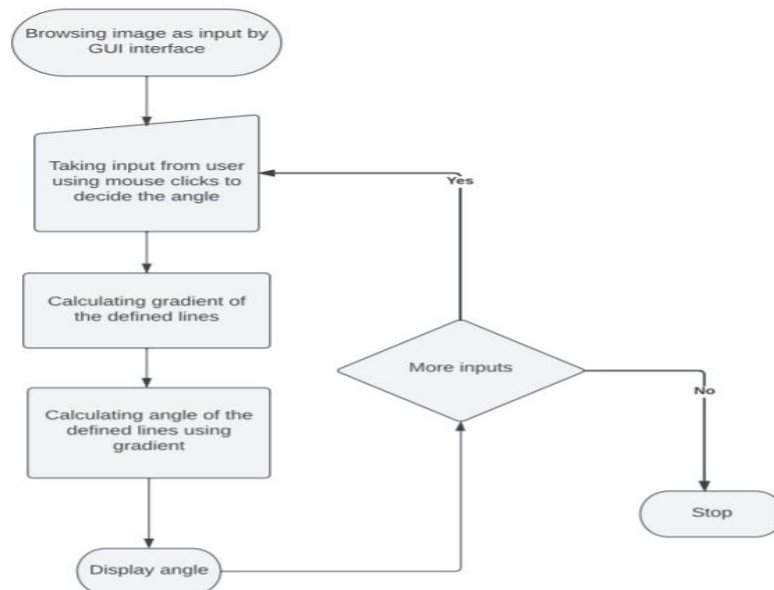
Siddharth Row(11941160)

Himanshu Singh(11940490)

## Objective

Our project aim is to measure the angle for metal formation in laser cutting machines. Here we do it by using a machine vision application which is hands-free measurement using image acquisition and image processing techniques. First we load an image of the metal image in our device, for which we have to measure angle from our device .

## Flow chart



**Advantage :** The advantage of measuring angle for metal formation is that there is no such equipment available to measure this angle. In our college lab also there is no equipment available to measure these angles. So we decided to solve this problem from our lab.

**Accuracy :** we are getting accurate measurements around 95% accuracy .