**EN2550 - Assignment 2**

**Fitting and Alignment**

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Github Repo:<https://github.com/vidurawarna/EN2550_CV/tree/main/Assignments/Assignment%202>

**Question 1**

1. Parameters selection for RANSAC algorithm
   * The initial number of points:
   * Distance threshold:

(Since the noise for radius is gaussian, 95% probability capturing is considered)

* + Consensus set size:

(Half of the points belong to the circle)

* + The probability that at least one sample is outside of outliers: (Our sample has 3 points. Therefore, )
  + outlier ratio: (50% of the total number of points)
  + The number of samples:

1. Output

A picture containing diagram

Description automatically generated

**Question 2**

1. Testing a wall design before putting the design physically.

A picture containing text, indoor, flat

Description automatically generated

1. Advertise a softdrink brand on a truck box.

A picture containing text, electronics, display, computer

Description automatically generated

1. A billboard display for a favorite movie to be released.

A picture containing text, indoor, computer, screen

Description automatically generated