**EN2550 – Fundamentals of Image Processing and machine Vision**

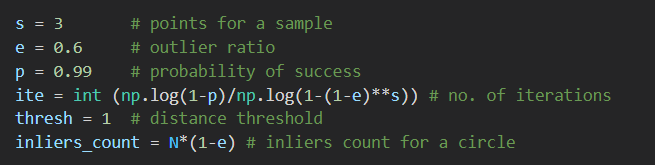
Assignment 02

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* **Question 01**

- In this question, we must find a best fitting circle using RANSAC algorithm for given data points. There are 100 data points which has been generated with noise.

- We need 3 points for a sample and for parameter values in Figure, we can calculate the number of iterations that we need to run to get an accurate circle.

* RANSAC algorithm

- First, we get 3 random sample points and then we determine the circle for selected points. The radius and the center of the circle can be found by using matrices as per the figure.

