**Sri Lanka Institute of Information Technology**

**A blue and orange logo

Description automatically generated**

**Lab Submission**

**Lab sheet No:09**

**IT24101016**

**Jayasooriya J.M.V.D.**

**Probability And Statistics | IT2120**

B.Sc. (Hons) in Information Technology

**Exercise**

****

1. Assume that the time taken to bake a batch of cookies is normally distributed with mean 45 minutes and standard deviation 2 minutes.

i. Generate a random sample of size 25 for the baking time.

ii. Test whether the average baking time is less than 46 minutes at a 5% level of significance

