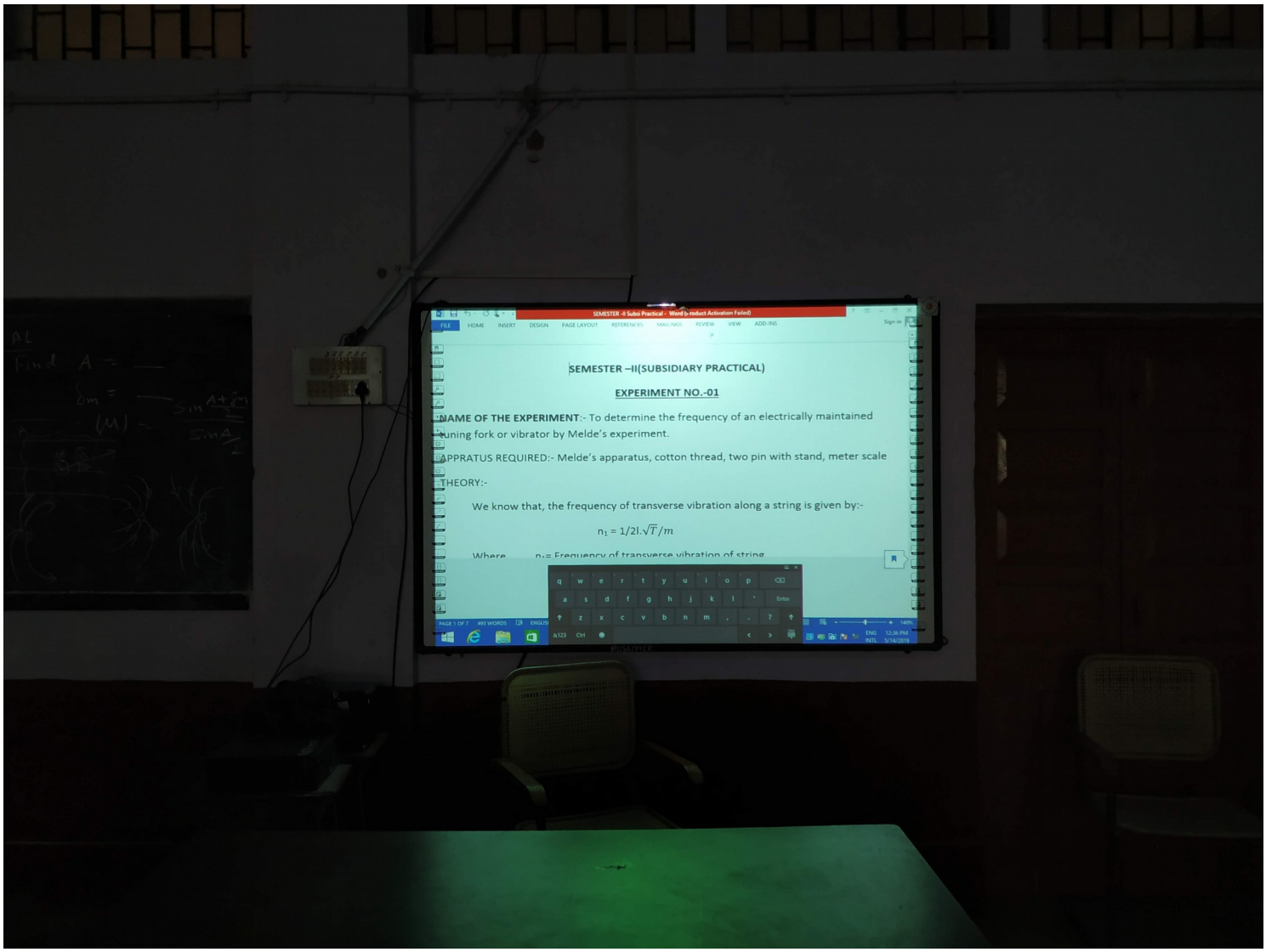

SEMESTER –II(SUBSIDIARY PRACTICAL)

EXPERIMENT NO.-01

NAME OF THE EXPERIMENT:- To determine the frequency of an electrically maintained tuning fork or vibrator by Melde's experiment.

APPRATUS REQUIRED:- Melde's apparatus, cotton thread, two pin with stand, meter scale

THEORY:-

We know that, the frequency of transverse vibration along a string is given by:-

$$n_1 = 1/2l.\sqrt{T/m}$$

Where n_1= Frequency of transverse vibration of string