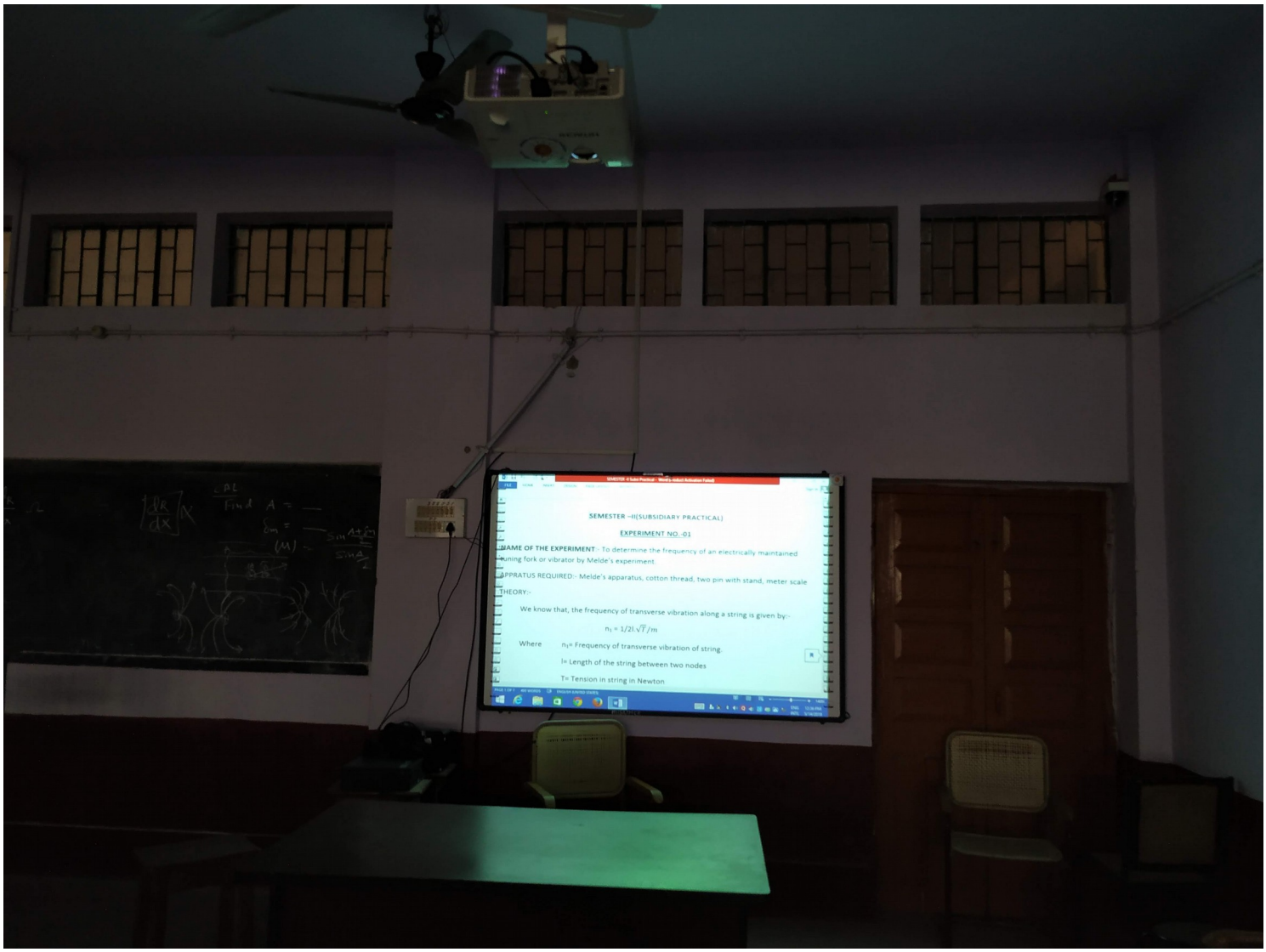
SEMESTER –II(SUBSIDIARY PRACTICAL)
EXPERIMENT NO.-01
NAME OF THE EXPERIMENT:- To determine the frequency of an electrically maintained tuning fork or vibrator by Melde's experiment.
APPRATUS REQUIRED:- Melde's apparatus, cotton thread, two pin with stand, meter scale
THEORY:-
We know that, the frequency 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.
l= Length of the string between two nodes
T= Tension in string in Newton