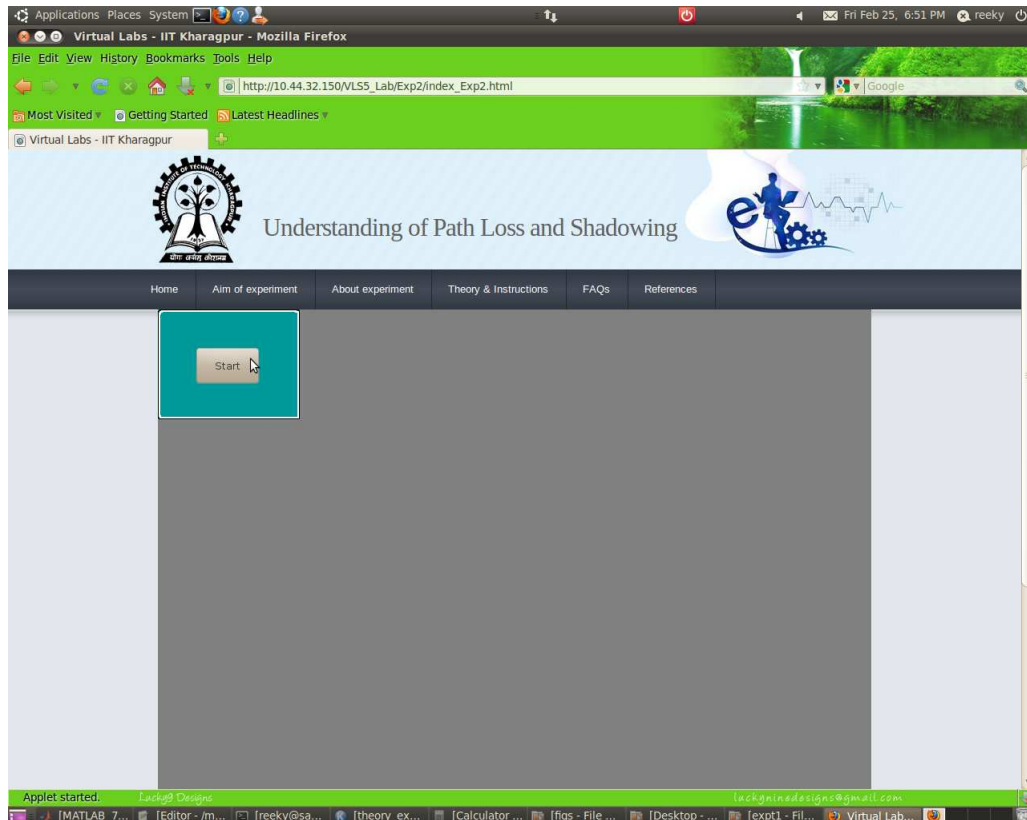


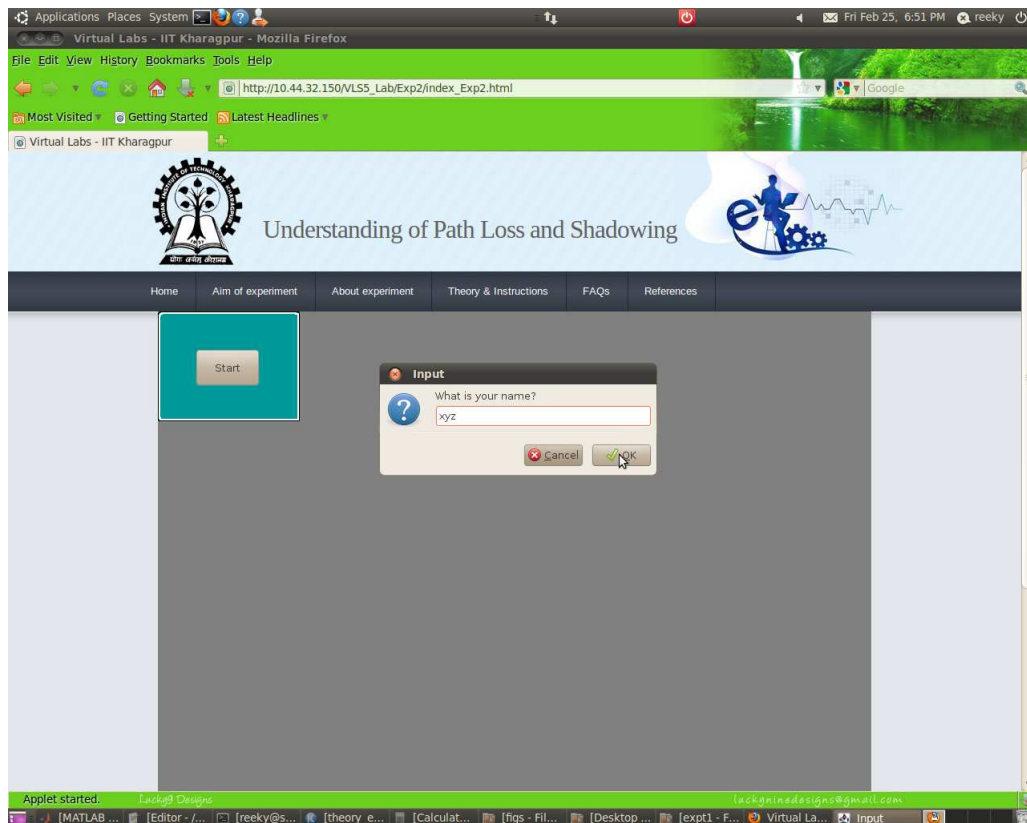
1 Instructions for Experiment 2 :-

Follow the instructions given below to perform the experiments:-

1.1 Starting the Experiment :-

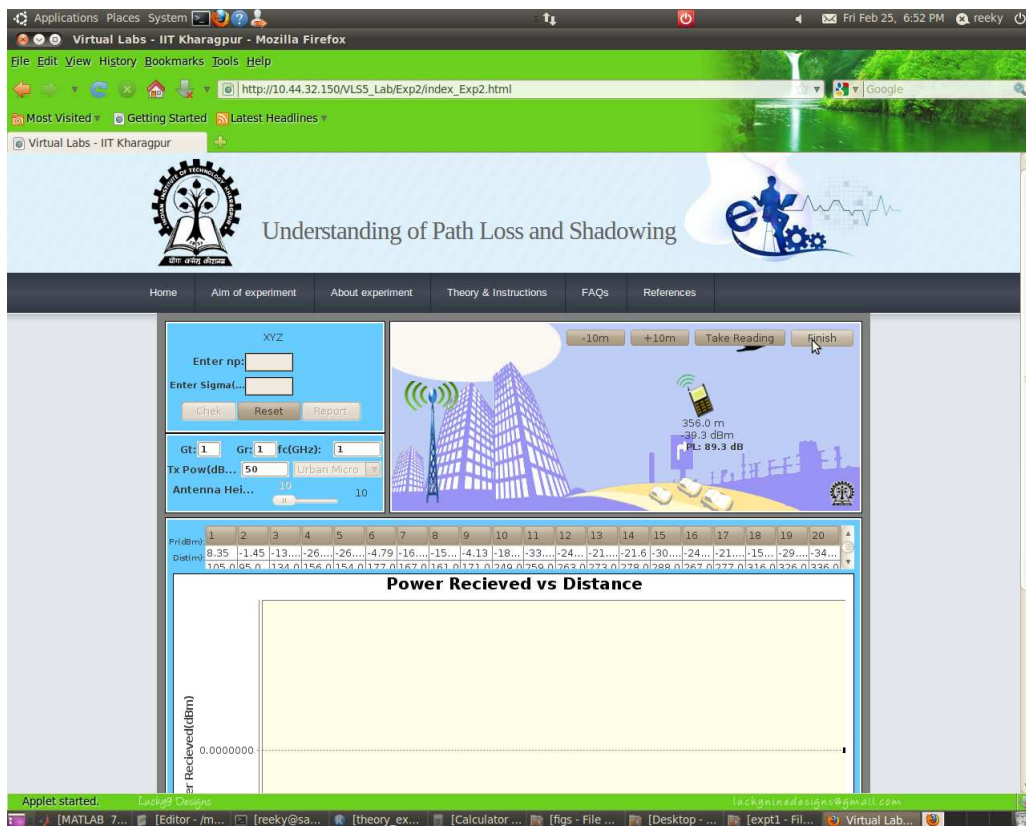
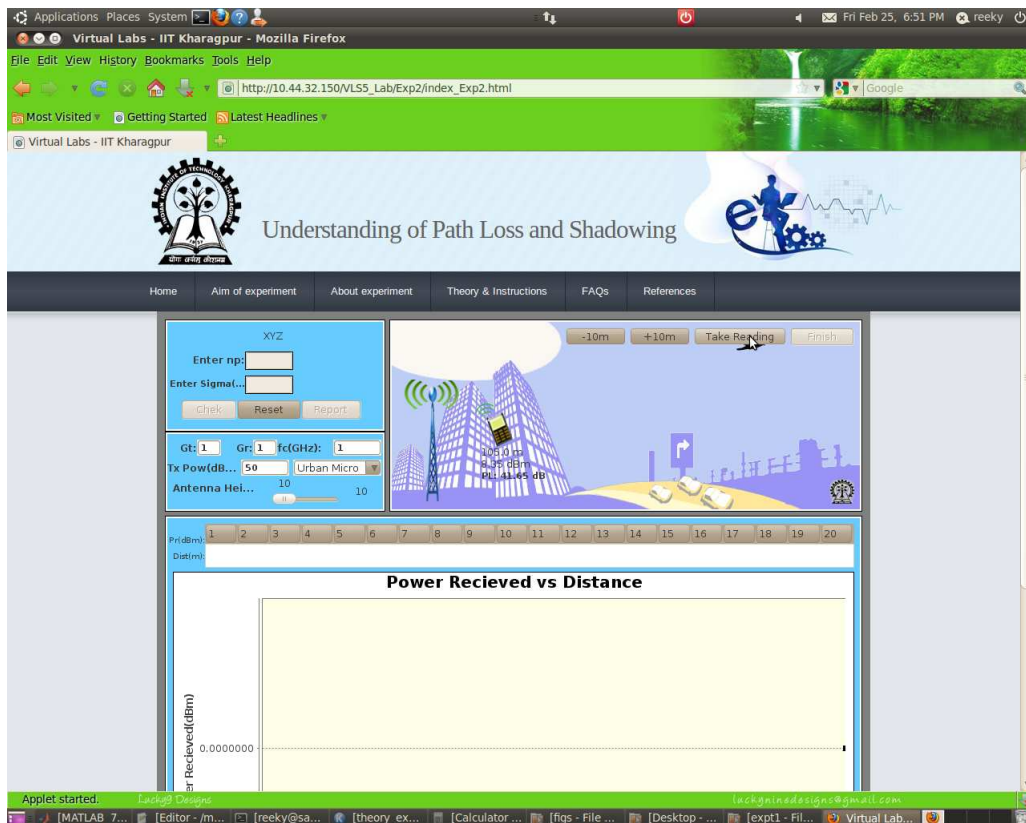
- Step 1:- Click on the start button. A page appears with a dialogue box asking for your name. Enter your name and click OK.





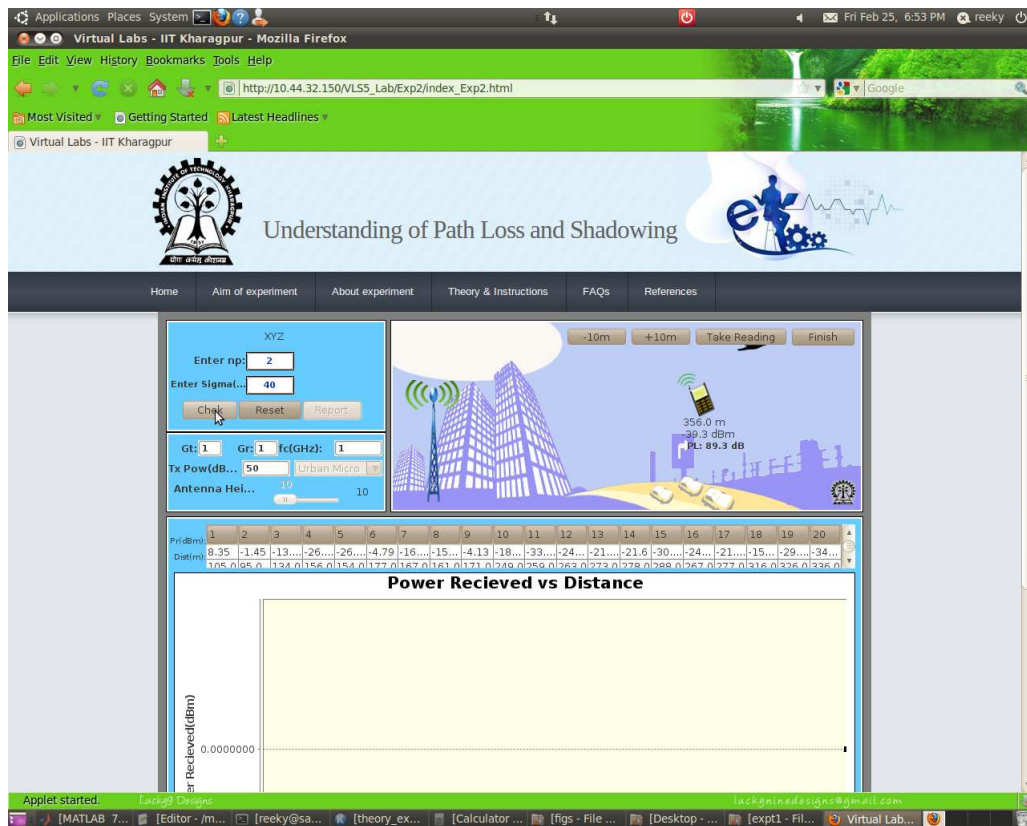
1.2 Performing the experiment :-

- Step 2:-Enter the values of G_t, G_r, f_c, T_x power in the box provided on the page. Adjust the slider for fixing the antenna height. These are all initial parameters of the experiment.
- Step 3:-Drag the mobile by placing the cursor on it and place it at a certain distance from the base station tower. Click on the button TAKE READING and record the values of received power at that position of the mobile and distance of the mobile from the base station, click on the buttons +10m and -10m to change the position of the mobile and record the values of received power in dBm and distance. Click on the button FINISH once you finish taking readings. Its better if you take 20 readings.



- Step 4:-Now calculate the value of n and sigma manually by following the example given in the theory section and enter your calculated value of n and sigma in the box provided.

- Step 5:-Click on the button CHECK to verify whether your manually calculated value matches the computed value.



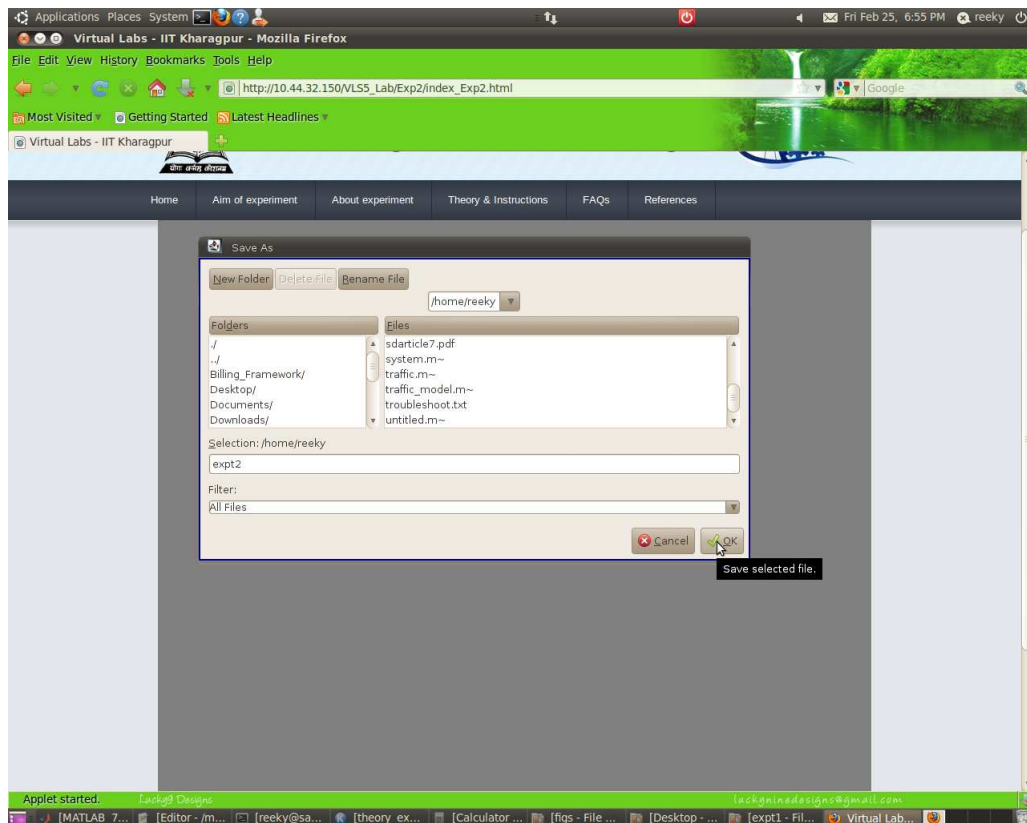
- Step 6:-If your calculated value matches with the computed value then a message appears stating that your entered values are correct.If your values are not correct then the exact values of the unknown parameters are displayed just next to the boxes where you have entered your calculated values of n and sigma.
- Step 7:-After,clicking on button CHECK you can also view a plot of received power(dBm) vs distance(m).



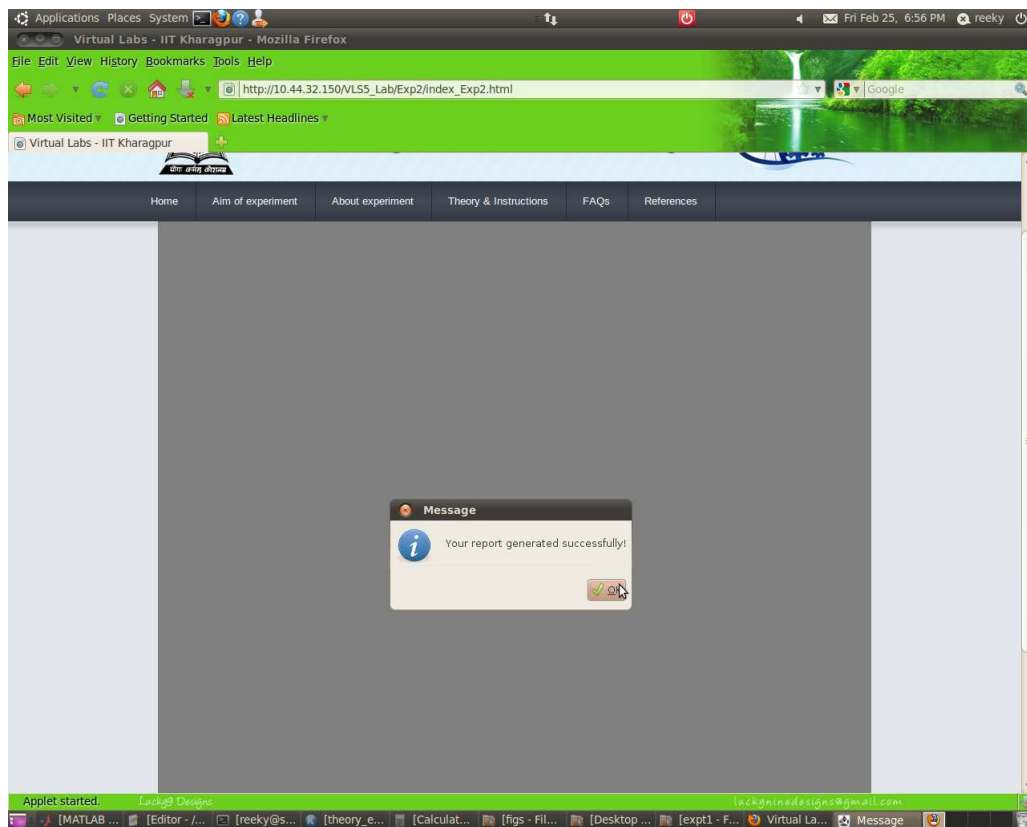
- Step 8:- If you want to perform the entire experiment once again click on the button RESET.

1.3 Generating and saving the Report :-

- Step 9:-Click on the button REPORT and then enter a file name to save your report.



- Finally, a message will appear that **YOUR REPORT GENERATED SUCCESSFULLY**. After viewing the message click on the OK button.



- Step 10:- You can view the pdf report of the experiment you have done.