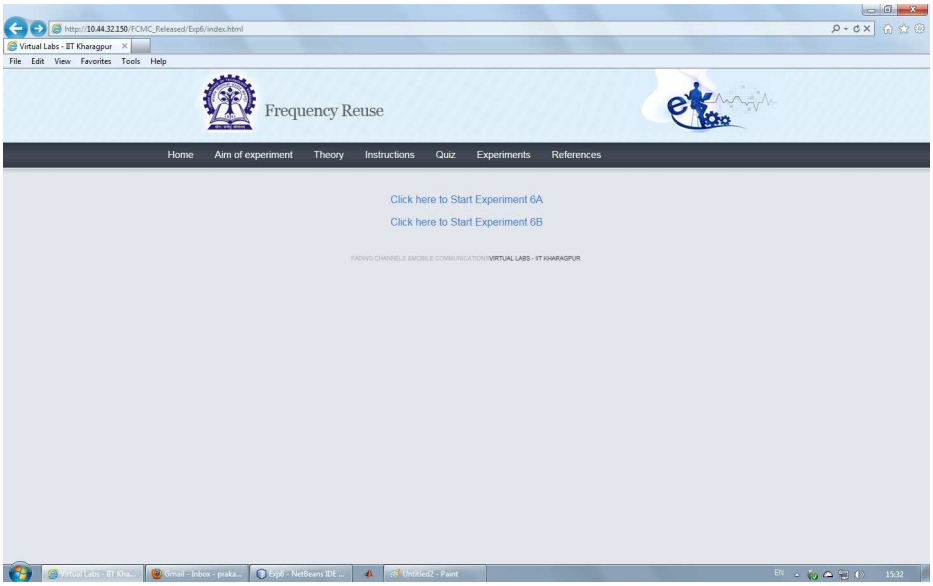
1 Instructions for Experiment 6 :- Frequency Reuse

Follow the instructions given below to perform the experiments.

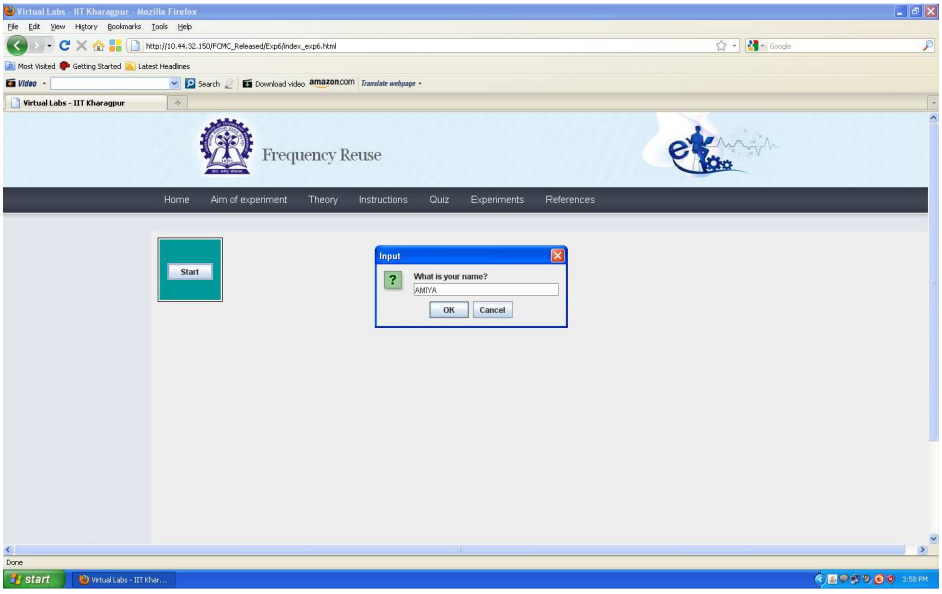
1.1 Starting the Experiments :-

- Step 1: Click on the experiment you want to do by clicking on either `Click here to start Experiment 6A (Co-channel cell)' or `Click here to start Experiment 6B (Cell cluster)'.



1.2 Performing Experiment 6A :-

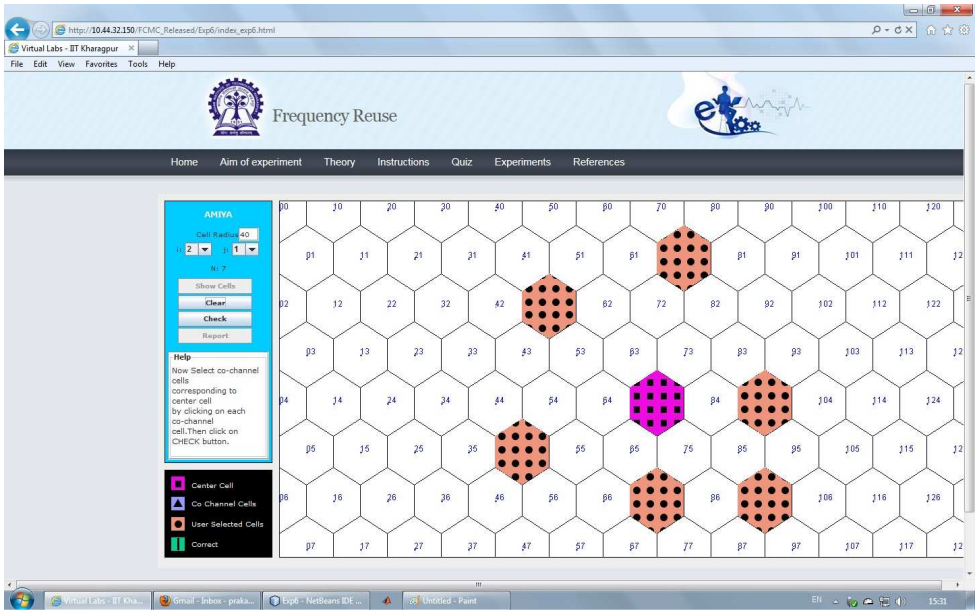
- Step 2: Let Experiment 6A (Co-channel cell) is chosen. Click on the button START. A page appears with a dialogue box asking for your name. Enter your name and click OK.



- Step 3: Choose the value of Cell Radius, i and j.

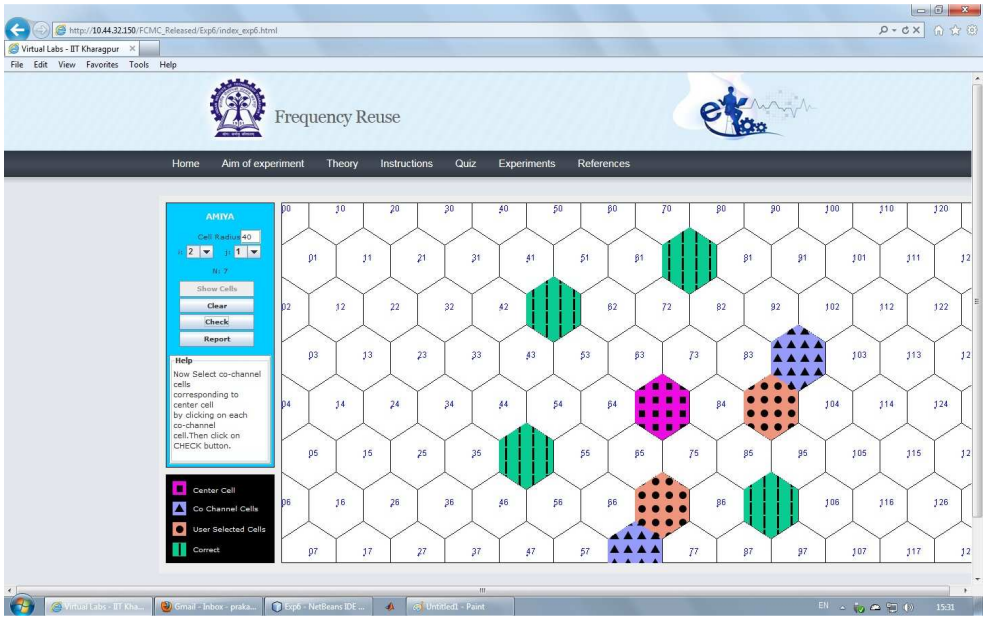
- Step 4: Click on the button Show Cells. For the given parameters, the value of Cluster-size N is shown in the LHS of the page and the generated cells are shown on the RHS of the page.

- Step 5: Within the generated cells the center cell is shown in pink colour. Select the Co-channel cells in orange colour for the center cell by finding the Co-channel cells from the formula given in the theory section.

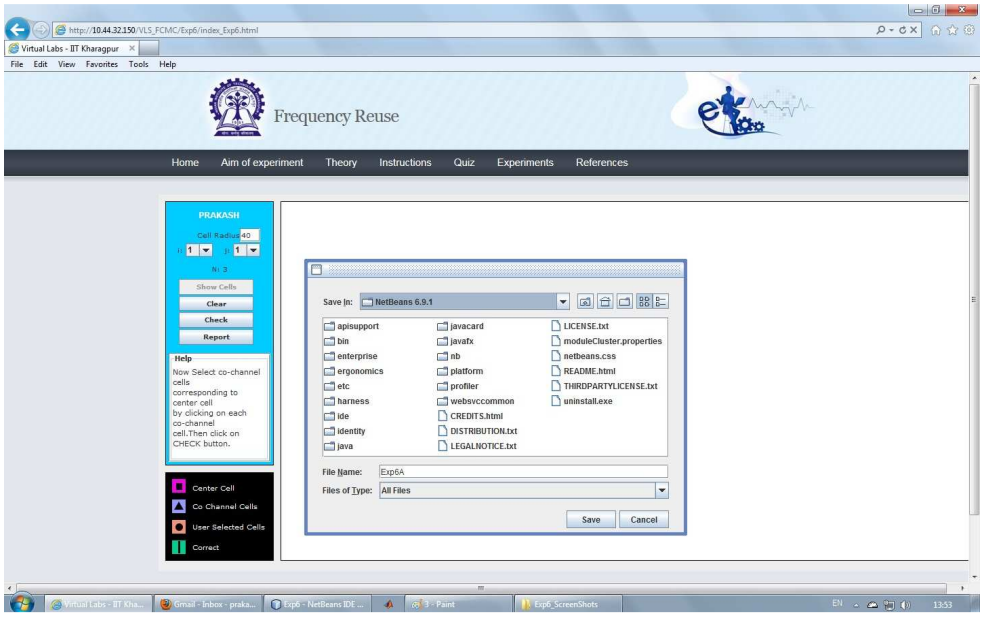


- Step 6: Click on the button CHECK to see whether your manually selected Co-channel cells match with the correct Co-channel cells. If your manually selected cells do not match with

the correct Co-channel cells then the correct Co-channel cells are displayed in sky blue colour. If your manually selected Co-channel cells match with the correct Co-channel cells then the correct Co-channel cells are over-marked in green colour.

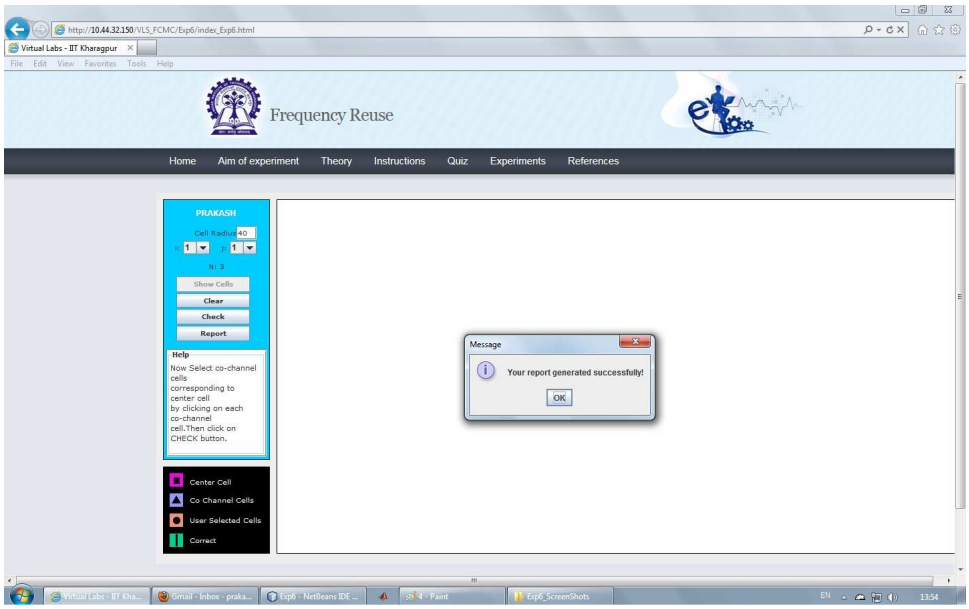


- Step 7: Click on the button REPORT to generate the report of the experiment you have performed.



- Step 8: A dialogue box appears. Click on the button Save to save your report.

- Step 9: A dialogue box appears with the message that `Your report has generated successfully'. Click on button OK in the dialogue box.

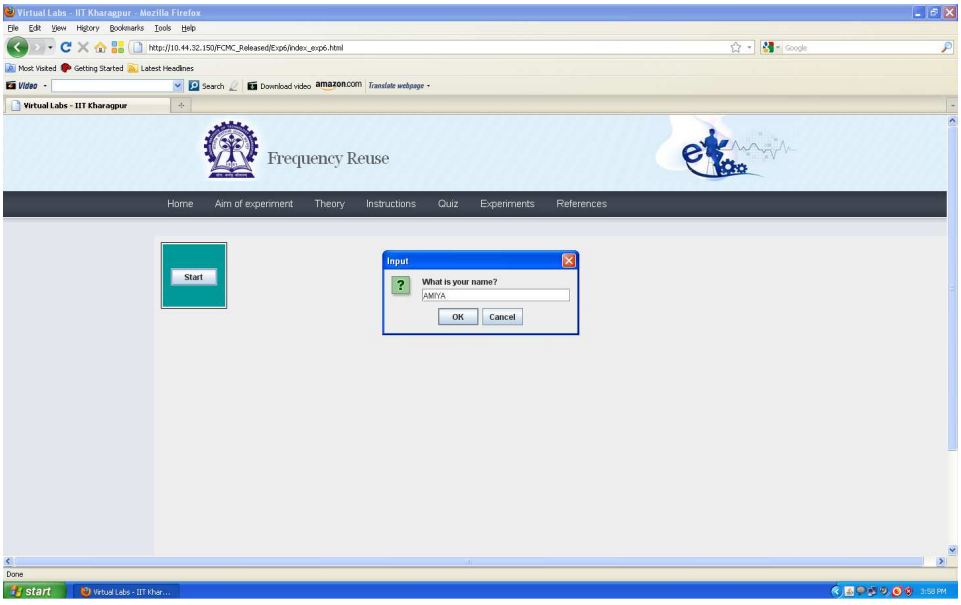


- Step 10: Now you can view the pdf report.

- Step 11: You can repeat the experiment by clicking the CLEAR button at the upper corner in the LHS of the page.

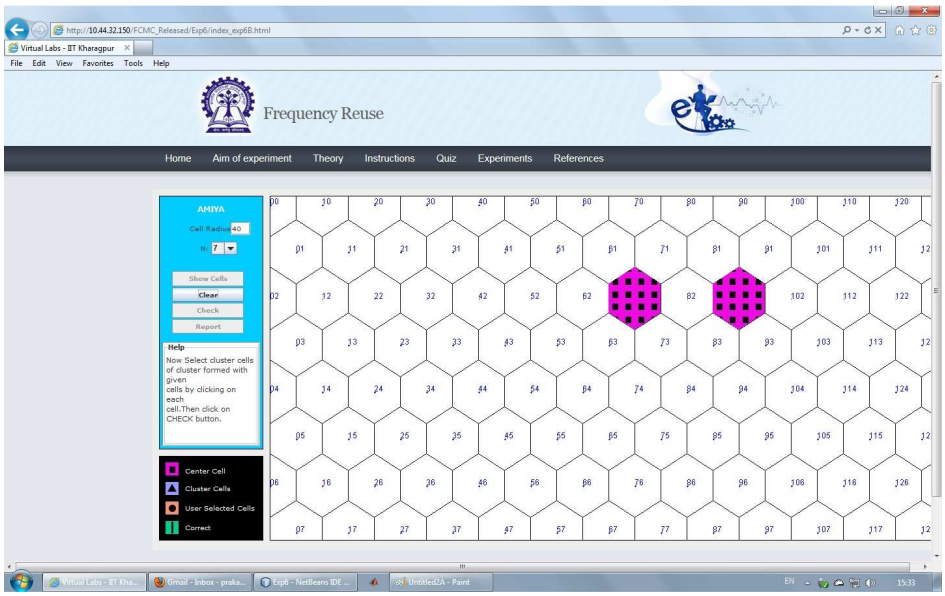
1.3 Performing Experiment 6B :-

- Step 12: Let Experiment 6B (Cell cluster) is chosen. Click on the button START. A page appears with a dialogue box asking for your name. Enter your name and click OK.

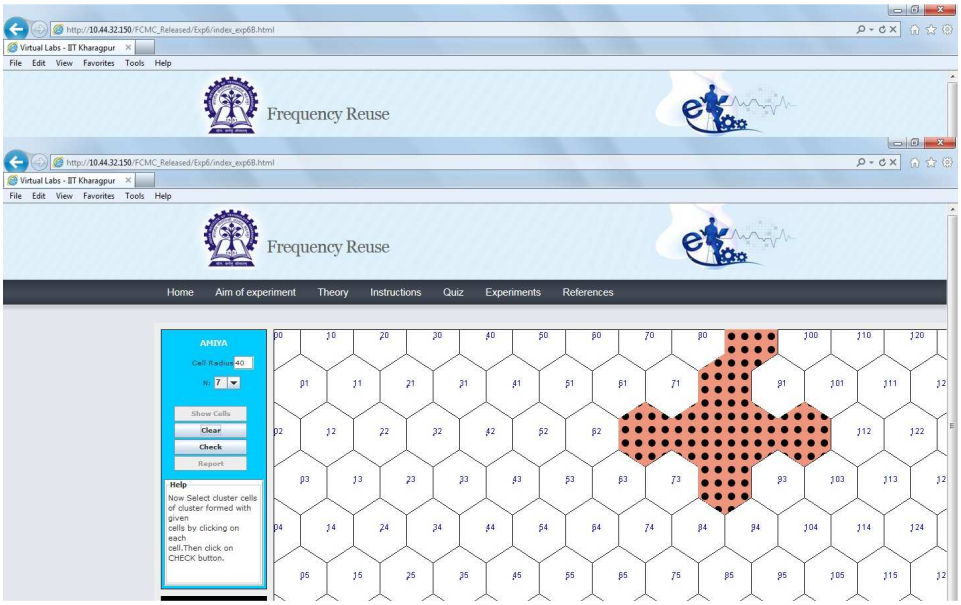


- Step 13: Choose the value of Cell Radius and Cell Cluster.

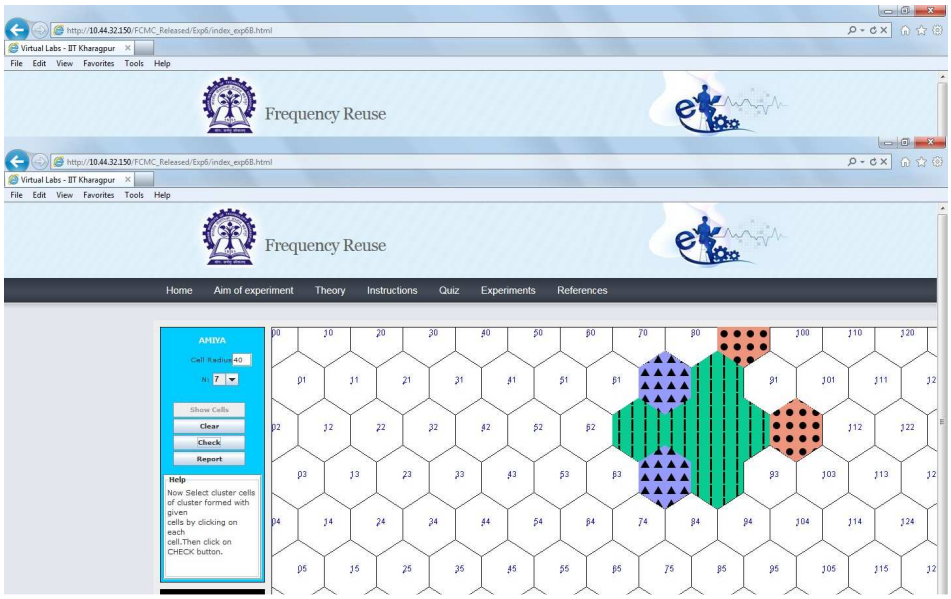
- Step 14: Click on the button Show Cells. The generated cells are shown on the RHS of the page.



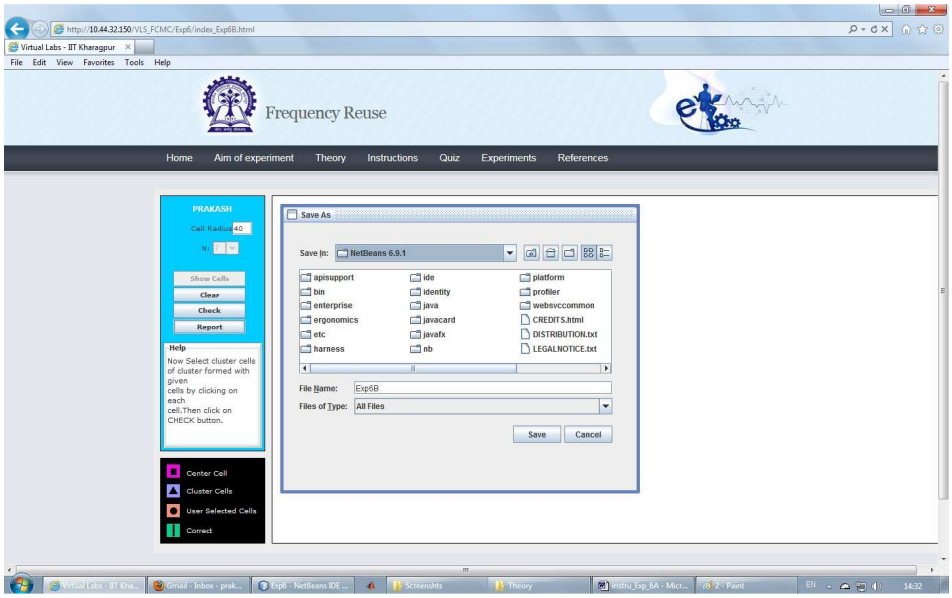
- Step 15: Within the generated cells the two extreme cells within the cell cluster is shown in pink colour. Select other cells within the cell cluster in orange colour.



- Step 16: Click on the button CHECK to see whether your manually selected cluster cells match with the correct cells of the cluster. If your manually selected cells do not match with the correct cells of the cluster then the correct cells of the cluster are displayed in sky blue colour. If the manually selected cells of the cluster match with the correct cells of the cluster then the correct cells of the cluster are over-marked in green colour.

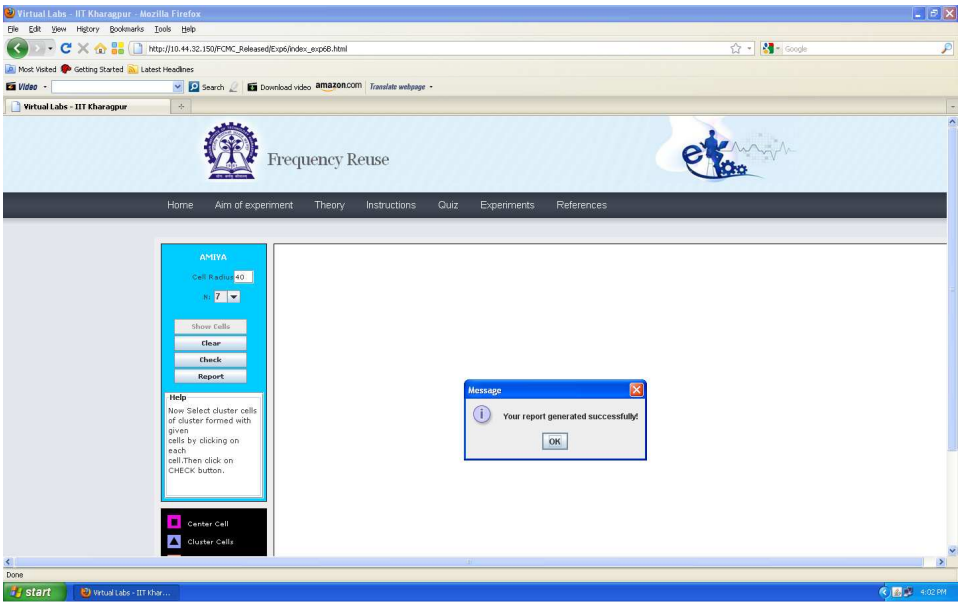


- Step 17: Click on the button REPORT to generate the report of the experiment you have performed.



- Step 18: A dialogue box appears. Click on the button Save to save your report.

- Step 19: A dialogue box appears with the message that `Your report has generated successfully'. Click on button OK in the dialogue box.



- Step 20: Now you can view the pdf report.

- Step 21: You can repeat the experiment by clicking the CLEAR button at the upper corner in LHS of the page.