Upload the e-record for:

Experiment #10: Divergence, Curl and their applications

Keep in mind the following points:

- Use different (unique) examples to make your e-record worthy of good grades.
- Do not upload pictures of the monitor screen containing the output instead save the figure in MatLab in an appropriate format and include it in the doc file.
- **The final submission must be in pdf format only.**
- Include the solution of the following problem(s) at the end of the e-record.

Exercise Problem:

1. Write a code for plotting Gradient field of any scalar point function for a given range.
2. Write a code for plotting divergence and curl of a vector field.
3. Write a code to verify Stoke's theorem for any vector field with a given parameterized surface.

Verify that the codes provided by you work well by considering one example for each code.