Your task for the term project of this course is making a research on ethernet implementations. In the lectures, you have been informed about 10 and 100 Mbit/s ethernet implementations. Your research should include other implementations such as gigabit ethernet etc. You should explain the following in details:

- Implementation details,
- Differences from other ethernet implementations,
- Hardware requirements (if any),
- Software requirements (if any),
- Any additional topics will be given bonus points.

You must write a detailed informative report about this subject. Your report should include following sections:

1. **Cover page:** Name of the course, title of your research, your student ID and name should be available here.
2. **Abstract:** In abstract, a summary of your report should be given. Briefly mention the contents of your report in a few sentences.
3. **Introduction:** In this section, you should introduce the subject to the reader. Mention about general concepts without going into detail. You should review what have been done so far on the subject.
4. **Materials and methods:** This is the section where you give all information about the subject. Use figures, diagrams and graphs to increase comprehensibility. Use additional sections for various sub-components associated to the subject. You can entitle the sections depending on the materials you have.
5. **Conclusion:** Summarize the subject and emphasize the most important parts in this section.
6. **References:** List all sources (books, papers, links etc.) you have utilized.

Please obey the following rules:
1. Do not forget to give references to the sources you have used in your report.
2. Use your own words.
3. Fill and sign the “Statement of Non-Plagiarism” paper and attach to your report.
4. This is one person project. Please do it on your own.