

Dokuz Eylül Üniversitesi - Computer Engineering Department

**Project Name**

Student Number - Name Surname

**CME 3204 - Data Communications and Computer Networks**

**Term Paper**

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# Introduction

In this chapter you should define the problem you are expected to solve, introduce main concepts and terminology you used. You should also state motivation and importance of project. Moreover you should write background of your project and explain tools you used.

# Method and Simulation

In this chapter you should explain your design process and simulation.

## Network Requirements

You should present network requirements and constraints that you consider while modelling and simulating.

## Network Architecture

In this section characteristics, architecture, structure, configuration, used protocols and design of your network should be given. You are also expected to write the number and type of components such as routers, switches etc., and can explain interconnection topologies. Figures and tables are welcome.

# Traffic Analysis and Simulation Results

Network traffic analysis results and performance comparisons.

Following activities should be simulated and analyzed with your model:

1. A laptop user from first facility of first campus (Campus A) want to send email to her friend in the 3rd facility of Campus A.
2. A user from first facility of 2nd campus (Campus B) want to read emails and browse Web.
3. A computer engineer from second facility of Campus B develops a web application and want to send her code files to FTP server in the facility of Campus A.
4. Two users from second facility of Campus B want to talk with VoIP.
5. A user in the second facility of Campus A want to send an email message to his friend in the second facility of Campus B.

You should create **three more activities** to simulate and analyze.

Moreover you are expected to evaluate and compare performance of designed network.

# Conclusion

You should summary your project process, explain incomplete parts and/or original contributions if any.

# References

List your references you cited in your report using IEEE Citation Style or ACM Citation Style.

# Appendices

You can add codes you write for modelling and/or all results you get from the simulation.