Performance Analysis with OAI and NS3

**Software Requirements Specification**

Version 1.0



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**Revision History**

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| --- | --- | --- | --- |
| **Date (dd/mm/yyyy)** | **Version** | **Description** | **Author** |
| 29/11/2020 | 1.0 | Introduction of the project | BC170402458 |
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1. [Scope (of the project)](#scope)

Technology is evolving at a very fast speed. It was just a few years ago when 4G was introduced and now we see 4G everywhere. But as the technology grows the need to communicate faster and efficient increases, so now we need faster way to communicate than 4G. Don’t worry 5G got our back. This project will demonstrate the communication speeds we can achieve with great efficiency and a lot of less delay using 5G.

1. [Functional Requirements Non Functional requirements](#FRNFR)

We will use different tools to create our simulation enviroment to measure the speed , delay and packet loss in communication.

1. [Use Case Diagram](#UCD)
2. [Usage Scenarios](#UCS)
3. [Adopted Methodology](#Adopted)
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**SRS Document**

Scope of Project:

Functional and non Functional Requirements:

<Write here in detail about the functional and non-functional requirements of your system in separate headings>

Use Case Diagram(s):

<Provide here the use case diagram of your system>

Usage Scenarios:

<Provide here the usage scenarios of all use cases in table format explaining Use Case title, Use Case Id, Actions, Description, Alternative Paths, Pre and Post Conditions, Author, Exceptions. You are supposed to provide a usage scenario for each of use case shown in use case diagram>

Adopted Methodology

<Write here detail about the adopted methodology for your project. You must choose VU Process Model which is a combination of waterfall and spiral models. More or combining two or more methodologies is explained in SE2 (CS605) handouts. >

Work Plan (Use MS Project to create Schedule/Work Plan)

<Provide Gantt chart of your final project>