

Date: _____

**CENTENNIAL COLLEGE
SCHOOL OF ENGINEERING TECHNOLOGY AND APPLIED SCIENCE**

FINAL PROJECT REPORT MARKING SCHEME

Course: **Technologist Project**.....

Term: **Winter 2022**

Project Title:

Student:

Presented to Chief Technology Officer: **Professor Greg Sanche**

Report Sections	Score	Max. Points
1. Abstract		
a. states project subject area or topic	_____	2
b. states relevance/importance of project	_____	5
c. states a summary of results	_____	2
2. Introduction		
a. describes why topic is important, stating problem and objectives	_____	4
b. describes pertinent background information	_____	4
c. includes background reading citations	_____	2
d. executive summary	_____	5
e. format, spelling, grammar	_____	4
3. Planning Stage		
a. proposal	_____	5
b. design phase and stages	_____	10
c. deliverables	_____	5
d. describe procedures	_____	5
e. budget	_____	5
f. risk analysis/scope and limitations	_____	2
g. format, spelling, grammar	_____	4
4. Technical Section – Network Design, Implementation and Testing		
a. design specifications and complete list of hardware and software requirements, various services and subscriptions	_____	15
b. proper inclusion, formatting and use of tables and network diagrams, figures	_____	15
c. describe how all the various network technologies will operator and interconnect with each other (detail)	_____	15
d. configuring of network devices (hardware/software) and all related services	_____	15
e. implementation of voice technologies	_____	10
f. implementation of wireless technologies	_____	10
g. implementation of network virtualization and cloud	_____	10
h. implementation of IT/network security features	_____	10
i. implementation of other advanced technologies	_____	10
j. detail testing and validation of service/feature functionality	_____	15
k. format, spelling, grammar	_____	5
5. Analysis of Results		
a. properly interprets the meaning and the impact of the results on the project	_____	10
6. Conclusion and Recommendations		
a. summarizes aims, objectives and limitations and how the results relate to them	_____	12
b. discusses how the project could be improved and future developments	_____	8
c. format, spelling, grammar	_____	4

7. References

- | | | |
|---------------------------------------|-------|---|
| a. follows APA format | _____ | 7 |
| b. properly end-noted in the document | _____ | 7 |

Total Score _____ out of 242 points or _____ %

Guidelines for project report writing

Based on final project report marking scheme, the followings are the guide lines for writing project report. The report should be free from spelling and grammatical mistakes

Title Page: the cover page includes the following information:

- Title of the project/Report
- Logo (if you have one)
- Team member's name
- To whom it is submitted
- Date it is written
- Other necessary information

Declaration of authorship

Declaration of authorship signed by the participant of project

Abstract

An Abstract is a brief summary of a report. The abstract include the following key elements:

- States project subject area or topic
- States relevance/importance of project
- States a summary of results

Table of Contents

This should include:

- All section headings and subheadings - numbered and worded exactly as they appear in the report,
- Page numbers for all sections.

List of tables

It includes the table number, caption and page number, ordered as they appear in the text.

List of figures

It includes the figure number, caption and page number, ordered as they appear in the text.

Nomenclature

A list of symbols and definitions should appear at the beginning of the report. If there is no list, symbols should be defined in the text when first used.

Introduction

This part should describe the following

- Describes why topic is important, stating problem and objectives
- Describes pertinent background information
- Executive summary
- Includes background reading citations

Planning Stage

Planning stage should include

- proposal
- deliverables
- describe procedures
- budget
- risk analysis/scope and limitations

Network Design and Implementation

- Design specifications and complete list of hardware and software requirements
- Physical and logical Topology
- Implementation of servers and clients using Virtualization
- Proper inclusion, formatting and use of tables and network diagrams, figures
- Details of Application Packages
- Implementation of network security features
- Configuring of network devices (hardware/software)
- Logical flow and coding with comments, if any software is developed
- Troubleshooting developed system, at systems and subsystem level

Analysis of Results

Properly interprets the meaning and the impact of the results on the project

Conclusion and Recommendations

Summarizes aims, objectives and limitations and how the results relate to them
Discusses how the project could be improved and future developments

References

Follows APA format
Properly end-noted in the document

The Format

Tools and applications used for the capstone project in order to document, design, build, configure and test/troubleshoot the proposed network. These tools and applications are not limited too but are the fundamentals needed for the report.

Please consult with your professor if you are planning to use other tools for the project.

- Cisco Packet Tracer
- VMware Workstation Pro
- Oracle Virtual Box
- Microsoft Office
- Remote access to the college network resources
 - a. Physical computers in the computer lab/classroom
 - b. Virtual computers, VMs, and network storage
- Cloud services E.g.: Microsoft Azure