



WORLD MISSION
HIGH SCHOOL

DECISION	

EXAM DETAILS		TRAINEE'S DETAILS	
Sector	ICT & MULTIMEDIA	Trainee's name	
Trade	NIT	Trainer's name	H. Love
Module code	NITID401	Module title	IoT SYSTEM DEVELOPMENT
Level	L4	Date	

(Answer all Questions)

1.

Using the IoT system development lifecycle, analyze how poor requirements identification can cause failure in an IoT project. Provide at least three consequences and explain why they occur.

2.

You are tasked with developing an IoT smart-farming system. Based on functional and non-functional requirements, List ten(10) functional and non-functional requirements for this system.

3.

Describe how technical feasibility, operational feasibility, and economic feasibility interact during the planning phase of an IoT project. Use a practical example to illustrate your explanation.

4.

Compare and analyze two IoT data collection methods, explaining their advantages, limitations, and the situations where each method is most suitable.

5.

Discuss the importance of simulation and emulation tools in IoT system development. Provide examples and explain how they reduce development risks before hardware deployment.

6.

An IoT developer must choose between Wi-Fi, ZigBee, Bluetooth, and LoRa for connectivity. Analyze each protocol and justify which technology you would select for:

- a) Smart home automation
- b) Long-range agricultural monitoring

Explain your reasoning clearly.