



WORLD MISSION HIGH SCHOOL

Software Development/ Networking and Internet Technology/ Multimedia Production

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HOLIDAYS ASSESSMENT ACADEMIC YEAR 2023-2024/1ST TERM

TITLE: Develop IoT system

RTQF LEVEL: 4

TRADE: NIT

All questions are compulsory

Question 1: Define Big Data, State the role of Big data technologies and techniques in data analysis.

Question 2: After defining what is data, State and explain types of data.

Question 3: State and explain different activities to be implemented after data collection while you are validating collected data.

Question 4: Explain what is SRD and state the use of SRD in system design.

Question 5: List five (5) applications of data.

Question 6: List all stages step by step included in Data processing in order to become information.

Question 7: After defining what is Data collection methods, discuss on four (4) common methods for data collection.

Question 8: State what is System feasibility and why is it a critical step in the early stages of project planning and decision-making. Explain different types of feasibility study.

Question 9: List and Define any three (3) IDE IoT tools by indicating all feature provided by each IDE.

Question 10: After explaining what is Data validation is, state all nine (9) steps and considerations for validating collected data.

Question 11: Differentiate functional requirements from non-functional requirements of an IoT system.

MERRY CHRISTMAS AND HAPPY NEW YEAR 2024