VERITAS UNIVERSITY, ABUJA

Bwari Area Council, FCT

CONTINUOUS ASSESSMENT ASSIGNMENT

Department of Computer Science
Course: Introduction to Robotics (CSC306)
Lecturer: Calistus C. Chimezie

Title: RESEARCH INTO ROBOTIC ACTUATORS.

Task 1: Personal Academic Report (Due date: 27th April, 2024)

You are expected to carry out an academic research on robotic actuators with particular focus on Servo Motors, DC Motors and Stepper Motors. Your research report must include the under-listed.

i. Evaluation of the science and operation of Stepper motors, DC Motors and Servo Motors.
ii. Explanation of the algorithm for controlling Servo Motors, DC Motors and Stepper Motors.
iii. Present separate case studies where each of Servo Motor, DC Motor and Stepper Motor is deployed in a robotics project.

Specification: This must be delivered as a formal academic report with proper in-text citation and a complete reference list. Bibliography is optional.

- Word count: 1500 words (+/- 10%)
- Font: Times New Roman
- Text Alignment: Justified
- Paragraph / line spacing: 1.5
- Referencing style: APA or Harvard referencing.