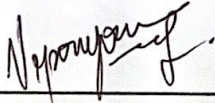


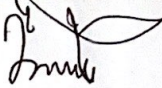
Candidate's Declaration

This is to certify that the work presented in this thesis, "NUMERICAL VALIDATION OF A ROBUST POSITIONING CONTROLLER IN MACHINE TOOLS APPLICATION", is the outcome of the investigation and research carried out by Vepouyoum Njouokouo Youssef (190011138), Abdul Malek Thabet Naji (190011137), Aminu Muhammad Mukaddas (190011136) and Mohammed K A Rook (180011251) under the supervision of Dr. Madihah binti Haji Maharof, Asistant Professor, MPE, IUT in the year 2024.

It is also declared that neither this thesis nor any part of it had been submitted elsewhere for the award of any degree or diploma.



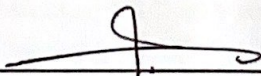
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Recommendation of the Thesis Supervisors

This thesis titled "NUMERICAL VALIDATION OF A ROBUST POSITIONING CONTROLLER IN MACHINE TOOLS APPLICATION" submitted by VEPOUYOUM NJOUOKOUO YOUSSEF (190011138), ABDUL MALEK THABET NAJI (190011137), AMINU MUHAMMAD MUKADDAS (190011136) and MOHAMMED K A ROOK (180011251) has been accepted as satisfactory in partial fulfillment of the requirement for the Degree of Bachelor of Science in Mechanical Engineering on **22nd June, 2024**

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