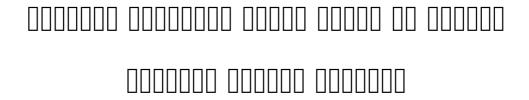
## SUDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY COLLEGE OF GRADUATE STUDIES

## Vertical Lathe Machine Control Using Programmable Logic Controller



A Thesis Submitted in Partial Fulfillment for the Requirements of the Degree of M.Sc. in Electrical Engineering (Control)

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