# HIGHER TECHNICAL INSTITUTE

## ELECTRICAL ENGINEERING COURSE

## DIPLOMA PROJECT

# DEVELOPMENT OF THE MAIN CONTROL PANEL OF A FACTORY USING A PROGRAMMABLE LOGIC CONTROLLER (PLC)

E / 987

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## SUMMARY

TITLE : "Development of the main control panel of a factory using a Programmable Logic Controller (PLC)"

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In the present report :

a) The programming capabilities of the "Ladder Language" are investigated.

b) The characteristics and capabilities of the programmable controllers are examined.

c) An application programme for the main control panel of a factory using a PLC (Allen-Bradley SLC 500) is developed.

d) The costing of such system is provided and comparison with a conventional method is made.

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