

HIGHER TECHNICAL INSTITUTE

MECHANICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

PROGRAMMING OF AN INDUSTRIAL
ROBOT

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PROGRAMMING OF AN INDUSTRIAL ROBOT

by

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Project Report

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To my family.

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SUMMARY

The project is aparted from seven chapters:

- The first chapter gives information about the objective of the project, also gives various definitions for what the term robot means.
- Chapter two specifies the need of using robots in industry, gives information about the applications of robots, and some information about the costing of robots.
- Chapter three gives information about arc welding, what types of robots are suitable for arc welding. The auxiliary components which used by the robot for arc welding. Arc welding methods.
- Chapter four analyses the various components of robots, specifies robot classifications according to their intelligence level and controlled systems.

Finally gives information about programming languages.

- Chapter five information for the fanuc 100i arcmate.
- Chapter six information about the jogging of the robot. In chapter six drawings of work and fixture are attached. Also is attached a layout of program.
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