HIGHER TECHNICAL INSTITUTE

MECHANICAL ENGINEERING COURSE

DIPLOMA PROJECT

CNC PART PROGRAMMING AND MACHINING ON THE VERTICAL MILLING MACHINE BRIDGEPORT INTERACT 1MK II

M/962

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By
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ABSTRACT

The main objectives of this project are to study the programming and machining characteristics of the Bridgeport 1MKII (with TNC Heidenhein control) CNC vertical milling machine and write a part program for manufacture of a component.

In order description same method of positioning, supporting and clamping on the Bridgeport milling machining and to construct to location, support and clamping of the component to be manufactured.

Finally write a part programming to preformed by using canned cycle and other programming facility to be making easier the programming and machining.
Detailed of the manufactured component and fixture were produced.