

**HIGHER TECHNICAL INSTITUTE
MECHANICAL ENGINEERING COURSE**

DIPLOMA PROJECT

**DESIGN AND MANUFACTURING OF AN
IMPACT RESISTANT
KINETIC PROJECTILE**

**by
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KINETIC PROJECTILE

M / 784

by

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Project Report

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ABSTRACT



The purpose of this project was to design and manufacture an impact resistant kinetic projectile .

This invention relates to sintered parts of tungsten alloys , specifically kinetic energy projectiles , (or bullets) and processes for their fabrication.

The tungsten is the only metal which has high density and resistance . Also is available at a reasonable price .

An investigation of the literature on various techniques for the production of impact resistant components and the limiting parameters on improvement of impact related properties is also provided .