

HIGHER TECHNICAL INSTITUTE

MECHANICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

DESIGN OF A DEMONSTRATION KIT
FOR HTI 1ST YEAR MECHANICAL COURSE

M. 812

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**DESIGN OF A DEMONSTRATION KIT
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by

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Project Report

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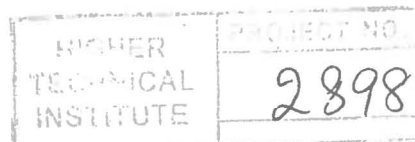
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THE NEED

First - time engineering students have enough in their mind without unnecessary frustration in the lab so a need arise for a system witch must be able to eliminate many of the problems that are common in static's experiment .

Also it must be convenient for the instructor to use it in class and save time in order to make students understand these principles whose going to be demonstrate .

This visual aid must be able to denominated resolution of vectors , static friction , torques , forces on an inclined plane and some combinations of the above .