

HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

**DEVELOPMENT OF AN INTELLIGENT LOAD
REGULATOR FOR A FEED MILL PLANT**

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BY: ANDREOU STYLIANOS

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ABSTRACT

An intelligent controller will be designed to regulate the load of a feed mill plant. The intelligent controller will be designed using a PIC16F877 microcontroller, and will be acting as a closed loop control system.

With the use of the project on the feed mill plant production is increased, since the mill will be working at maximum efficiency, labour costs are reduced since the grinding process will be regulated by the controller, and finally reduced maintenance costs since human errors will be avoided.

After the development of the project the intelligent controller was tested on a feed mill plant and it was performing very well.

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