

**THE PRODUCTION OF A VIDEO TO DEMONSTRATE THE
BEHAVIOUR OF AN OVER REINFORCED AND AN UNDER
REINFORCED CONCRETE BEAM UNDER FLEXURE**

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Project Report
Submitted to
the Department of Civil Engineering
of the Higher Technical Institute
Nicosia-Cyprus
in partial fulfillment of the requirement
for the diploma of
TECHNICAL ENGINEER

In
CIVIL ENGINEERING

JUNE 2008

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HIGHER TECHNICAL INSTITUTE	PROJECT NO 3783
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INTRODUCTION

Cracks on concrete structural members are a usual phenomenon. Crack sizes and formation maybe taken into account in the wrong way. Crack can be a risk indication or just harmless deformations. The degrees of risk of such cracks depend on the member construction and material properties concerning mainly concrete and reinforcement.

This project concerns such properties as applied on one of the most significant structural member, which is the beam. The main object is to distinguish between two kinds of beams, of which the main difference is the reinforcement. More specifically one beam with 2Y12 bottom reinforcement and another with 2Y25 bottom reinforcement will be loaded to fail, to obtain the difference in result.

Actually the project consists of the various tests reports accompanied with a video demonstration which is the main partition.

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