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COURSE IN COMPUTER STUDIES

DIPLOMA PROJECT
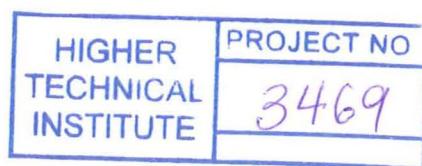
ACOUSTICAL SYSTEM FOR FLAT SOUND REFLECTORS

CS / 306

BY

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INTRODUCTION

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Panacoustics is a company that consults architects and acoustical engineers at the stage of designing an auditorium. The architects and acoustical engineers need to specify the room shape in order to secure a good sound distribution within the room. Also for this purpose they need to identify the shape, position and angle of the sound reflectors.

The program to be developed will allow the engineer to enter some positions including the stage, stalls and balcony for an auditorium and auditoriums' dimensions. From these information the engineer will be able to get some results including the sound reflector size, coordinates and angle. Also the system should show all the necessary reflectors and any related problems that will exist because of the sound at the audience.

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