

SCHOOL OF ENGINEERING

FINAL REPORT

A.I. DANCING ROBOT

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ABSTRACT

This project is to develop an enhanced Dancing Robot which dances to a certain musical theme. Unlike the basic dancing robot, which has preprogrammed dancing routines, this version of the robot has intelligence differentiating the type of music being played and the robot is also be able to change the dance routine according to the change in music. This project is mainly focusing on designing and constructing an entertainment robot. Its purpose is to entertain the audience by dancing to them according to the musical theme autonomously.

This report contains circuit diagrams and descriptions of the circuits, which is relevant and useful to understand the entire process of the project. This report elaborates all the aspects, which fulfilled the requirements of the project.