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SEDAYA INTERNATIONAL COLLEGE

FACULTY OF ENGINEERING
AND TECHNOLOGY

School of Engineering

FINAL YEAR ENGINEERING PROJECT (2002)

FINAL REPORT

PROJECT TITLE : **AUTOMATIC TARGET RECOGNITION
USING NEURAL NETWORKS**

ROUTE : **B.Eng (Hons) ELECTRICAL &
ELECTRONIC ENGINEERING**

NAME : **SIM CHEE HOU**

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PROJECT COORDINATOR : **DR. KHEDR**

ABSTRACT

Broadly, this report discourses about the project titled "Automatic Target Recognition Using Neural Networks". This project is conducted as a portion of the curriculum of the 3rd year Electrical and Electronic Engineering done at Sedaya College in collaboration with University of Northumbria at Newcastle, United Kingdom.

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The objective of this purely software-based project is to contrive an intelligent target recognition system without human intercession by practicing the characteristics of neural networks. This document covers the previous investigations done, current researches and further hypotheses regarding both Automatic Target Recognition (ATR) and Artificial Neural Networks (ANN).

Abreast of the completion of the simulations, the excogitation of this project is implemented. The triumph of this project can be ascertained by viewing the outcomes of the simulations obtained.