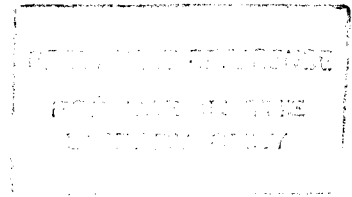# A DATABASE TO SUPPORT UNIVERSITY COURSE TIMETABLING

A PROJECT REPORT PRESENTED BY

N.M.A.P.B. NILWAKKE

to the Board of Study in Statistics & Computer Science of the
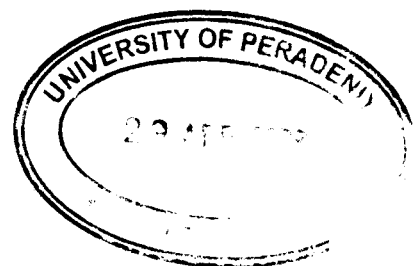
POSTGRADUATE INSTITUTE OF SCIENCE

in partial fulfillment of the requirement
for the award of the degree of

MASTER OF SCIENCE IN COMPUTER SCIENCE
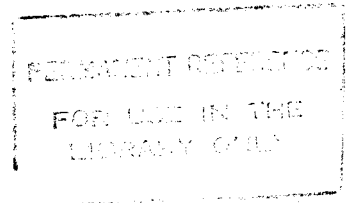
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UNIVERSITY OF PERADENIYA
SRI LANKA
2007

ABSTRACT

A DATABASE TO SUPPORT UNIVERSITY COURSE TIMETABLING

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Most universities face the problem of scheduling both courses and examinations in every semester or term. The difficulty of the problem increases due to a large number of students, courses, exams, rooms and teacher constraints. The manual solution of the timetabling problem usually requires many person-days of work.

The aim of this project was to develop a computer based timetabling system with a database to support the course timetabling process at the Faculty of Applied Sciences of Rajarata University of Sri Lanka.

The user interface of the system was developed using Microsoft Visual Basic 6 and the database was developed using Microsoft Access 2000. It was successfully installed and tested at the Faculty of Applied Sciences of Rajarata University of Sri Lanka.