

FR 0640

FR 0009



SEDAYA  
INTERNATIONAL  
COLLEGE

*Building a new horizon for quality education*  
(165478-10)

LIBRARY  
SEDAYA INTERNATIONAL COLLEGE

FR

FACULTY OF ENGINEERING  
AND TECHNOLOGY

SCHOOL OF ENGINEERING

FINAL YEAR ENGINEERING REPORT  
FINAL REPORT

ROUTE : B.ENG (Hons.) COMMUNICATION & ELECTRONIC  
ENGINEERING

TITLE : SOFTWARE TOOL FOR MOBILE CELLULAR  
SYSTEM PLANNING

NAME : SARAVANA KUMAR SUBRAMANIAM

STUDENT ID : 99006006

1<sup>st</sup> SUPERVISOR : MR. JEYA GOPI RAMAN

2<sup>nd</sup> SUPERVISOR : MR. TAN

DURATION : SEPTEMBER 2001 TO APRIL 2002

UNIVERSITY of  at NEWCASTLE





## Abstract

The number of subscribers to mobile services is tremendously growing worldwide. Therefore, the proper design of mobile networks, in order to meet the increases in demand is of utmost importance. One of many reasons for developing a cellular mobile telephone systems and deploying it in many cities is the operational limitations of conventional mobile systems; limited service capability, poor service performance and inefficient frequency spectrum utilization.

This project titled Software tool for mobile cellular system planning is carried out as the final project of BEng. (Hons.) Communication and Electronic 3+0 programme. The main objective of this project is to develop a design tool to aid in the cellular system design process. It would also be capable to serve as an educational tool in mobile communications.

LIBRARY  
SEDAYA INTERNATIONAL COLLEGE