

C
091.642
RANASINGHE

INFORMATION SYSTEM OF PAYROLL MANAGEMENT
FOR
LANKEM PLANTATIONS LTD.

A PROJECT REPORT PRESENTED BY
I. D. RANASINGHE

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

of the

**UNIVERSITY OF PERADENIYA
SRI LANKA
2007**



616267

Abstract**Information System of Payroll Management
For Lankem Plantations****I. D.Ranasinghe**

Lankem Tea and Rubber Plantations Pvt. Ltd.
53,1/1, Sir Baron Jayatilake Mawatha
Colombo 01
Sri Lanka.

Lankem Plantations Ltd. is one of the biggest tea and rubber Plantation Company in Sri Lanka. It consists of 42 Regional Plantation estates controlled by Colombo head office. It's labour force consists of workers approximately 38,000 and staff around $(42 \times 40) + 200$. This study consists of Information System of Payroll Management for above staff. Also this study consists of Analysis, design, coding and implementation of Payroll System for head office and each individual estate. At the end of month (After Payroll Calculation) data is transferred into head office server in secure manner and store in head office server. Depending on the demand head office decision makers can retrieve existing reports in system as well as they can generate new reports also.

Presently Lankem Plantations Head office use Clipper/dbase base software for handling Payroll. All functions can be handled by keyboard. When considering database it is not a relational database. Lot of redundancy and data duplications are available in the existing system. No proper backup procedures are available in the system. Manually file copying is the only method for file backups. File corruptions are common. In some occasions re entering of data also take place.

This report discusses the development of a payroll system for Lankem Plantation head office and estate offices. This shows how to overcome existing difficulties using new system.

For database designing in this study I used SQL Server 2000as backend and Visual Basic as front end for rapid development. Cristal Report 8.5 software is used as reporting tool and Sheridan software is used for grid designing.

When we move to hardware side all estates consist of P IV computers or at least P III computers which are suitable to run SQL Server and VB. Head office servers are X series IBM servers, which consist of 1MB RAM, 80GB HDD and 3.0GHz Processor.

