

MIGRANT WORKERS

A PROJECT REPORT

Submitted by

AKSHAY S

in partial fulfilment for the award of the degree of

MASTER OF COMPUTER APPLICATIONS



HAJI C.H.M.M. COLLEGE FOR ADVANCED STUDIES

CHAVARCODE, PALAYAMKUNNU P O – 695146

THIRUVANANTHAPURAM DIST

KERALA

UNIVERSITY OF KERALA, THIRUVANANTHAPURAM

AUGUST 2023

**HAJI C.H.M.M. COLLEGE FOR ADVANCED STUDIES
CHAVARCODE, PALAYAMKUNNU P O – 695146
THIRUVANANTHAPURAM DIST KERALA**

MASTER OF COMPUTER APPLICATIONS



BONAFIDE CERTIFICATE

Certified that this project report “**MIGRANT WORKERS** “ is the bona fide work of **AKSHAY S** who carried out the project work under my supervision.

Reg.No :95521801003

Mr.HARIKRISHNAN.S R

Associate Professor

HEAD OF THE DEPARTMENT

EXTERNAL EXAMINER

Mr.HARIKRISHNAN.S R

Associate Professor

INTERNAL GUIDE

ACKNOWLEDGEMENT

I would like to express my gratitude to God for giving me good health and better courage to accomplish this project successfully.

I express my sincere gratitude to the Director of **MCA Prof. (Dr). SIRAJUDEEN. M**, for providing me an opportunity for doing this project work.

Special thanks to **Mr. HARIKRISHNAN S R**, Associate Professor, Head of Department for his expert and valuable advice, inspiration and facilities rendered throughout for successful completion of the project.

I take this opportunity to express my sincere gratitude and indebtedness to my Internal guide **Mr. HARIKRISHNAN S R**, Associate Professor, Department of MCA for providing all possible fruitful discussions to make this project be a success.

With great pleasure I may record my deep gratitude to my parents, friends and to all staff members of **MCA Department** for the immeasurable help rendered to me during the course of the project.

AKSHAY S

TABLE OF CONTENTS

ACKNOWLEDGEMENT	iv
LIST OF TABLES.....	vii
LIST OF FIGURES	viii
ABSTRACT.....	ix

CHAPTER

1. INTRODUCTION	1
1.1. Objective of the Problem.....	1
1.2. Statement of the Problem	2
2. SYSTEM ANALYSIS	3
2.1. Existing System	4
2.2. Disadvantages of Existing System	5
2.3. Proposed System	6
2.4. Advantages of Proposed System	6
2.5. Feasibility Study..	8
3. SYSTEM SPECIFICATION	11
3.1. Software Requirements	11
3.2. Hardware Requirements	11
4. SYSTEM DESIGN	12
4.1. Context Level Diagram.....	15
4.2. Data Flow Diagram	16
4.2.1 DFD Level 1	16
4.3. ER Diagram.....	22
4.4. Database Design.....	23
4.5. Normalization.....	34
4.6. Design each Subsystem.....	36
4.7. UML Diagram	37
4.7.1 Use Case Diagram	38
4.7.2 Class Diagram.....	44
4.7.3 Sequence Diagram.....	45

CHAPTER

5. CODING	46
5.1. Language Study.....	46
5.2. Functional Description.....	57
5.3. System Code	60
6. TESTING	65
6.1. Levels of Testing.	65
7. IMPLEMENTATION	69
7.1. Implementation of Proposed System.....	69
8.SECURITY AND BACKUP RECOVERY MECHANISM	71
9.CONCLUSION	73
10.FUTURE ENHANCEMENT.....	74
APPENDIX	75
Input and Output Forms	75
BIBLIOGRAPHY.....	80

LIST OF TABLES

Tables

4.4.1 Agency Table	28
4.4.2 Worker Table	29
4.4.3 police station Table	30
4.4.4 Insurance agency Table	31
4.4.5 Scheme Table	31
4.4.6 Notification Table	32
4.4.7 Complaint Table	32
4.4.8 Report Table	33

LIST OF FIGURES

Figure

4.1 Context Level Diagram	15
4.2 Level 1 DFD	16
4.3 ER Diagram	22
4.6 Design of Each Sub System	36
4.7 Use Case Diagram	37

ABSTRACT

Kerala is witnessing large inflow of migrant labour from different parts of country in recent years. Though labourers from state as far as West Bengal, Bihar, Uttar Pradesh and Orissa now flock to Kerala. Higher wages for unskilled labour in the state, large opportunities for employment and shortage of local labour, paradoxically despite the high unemployment rate in the state, led to the massive influx of migrant labours to the state.

The system provides a facility for migrant labours to register with the state authorities would be engaged for work in the construction sector. Construction sector employs large number of migrant labours in the state. Seeking to address their issues properly and know about their whereabouts, the government is planning to engage registered labours only in the sector. The government has also introduce a safety plan to ensure the rights of labours are not violated in view of complaints about poor working conditions and mishaps on construction sites. As per the plan, builder should submit a safety plan along with the building plan to get sanction for construction. Manual systems often rely on paper-based records and manual entry, resulting in delays in data updates. This lack of real-time data can lead to inaccurate or outdated information, making it difficult to track workers' movements and ensure their safety promptly. The existing system mat struggle to handle a growing workforce efficiently. A manual system might lack transparency, making it challenging to ensure accountability and detect any potential malpractices or discrepancies in the management of migrant workers. Manual systems often rely on paper-based records and manual entry, resulting in delays in data updates. This lack of real-time data can lead to inaccurate or outdated information, making it difficult to track workers' movements and ensure their safety promptly.

