**TABLES OF CONTENTS**

**Title Page No.**

List of contents a

List of Figures c

List of Tables d

List of ER Diagrams e

Abstract f

Chapter 1 INTRODUCTION

1. Introduction 1
   1. Types of loan 1

Chapter 2 SYSTEM ANALYSIS

1. Current system 2
   1. Proposed system 2

Chapter 3 PROJRCT PROPOSING

1. Project Proposal 3

Chapter 4 AIM OF THE PROJECT

1. Aim of the project 4
   1. Objectives 4
   2. Modules in brief 5-7

Chapter 5 METHODOLOGY

1. Methodology 8-9

Chapter 6 APPLICATION DEVELOPMENT

* 1. N-Tier applications 10-12
  2. Performance requirements 12

Chapter 7 SYSTEM REQUIREMENTS

* 1. Software requirements 13
  2. Hardware requirements 13

Chapter 8 SYSTEM DESIGN

1. Dataflow diagram 14-17
2. ER Diagrams 18-25

Chapter 9 TECHNOLOGY DESCRIPTION

1. HTML 26-27
2. JavaScript 28-29
3. Java 29-33
4. Java Database Connectivity 33-34
5. Two and Three Tier Models 34-37
6. Database 38-39
7. SQL 40-41
8. Servlets 41-44
9. Java Server Pages 45-46
10. Eclipse IDE 46-47

Chapter 10 TESTING

* 1. Testing Methodologies 48
  2. STLC 49-51
  3. TCD 51-53

Chapter 11 SCREENS

1. User Screens 54-65

Chapter 12 CODING

12.1 Project Codes 66-77

Chapter 13 FUTURE ENHANCEMENTS

13.1 Future enhancements 78

Chapter 14 CONCLUSION

* 1. Conclusion 79

ABBRIVATIONS 80

**List of Figures**

**6.1 Data flown through different layers**

**8.1 Context level of DFD**

**8.2 DFD level 1 for Administrator**

**8.3 DFD level 2 for Employee**

**9.1 Development process of JAVA program**

**9.2 Compiling & Interpreting of JAVA source code**

**9.3 JDBC API two-tier for database access**

**9.4 JDBC API three-tier model for database access**

**9.5 Database access from JAVA middle tier**

**9.6 Web components**

**List of Tables**

1. **Relation b/w Employee & Department**
2. **Relation b/w Salary & Employee**
3. **Relation b/w Employee & its Designation**
4. **Relation b/w Financial Advisor & Department**
5. **Relation b/w Designation & Loan type**
6. **Relation b/w Loan payment & Employee loan**

**List of ER Diagram**

**8.1 Relation b/w Employee & Department**

**8.2 Relation b/w Salary & Employee**

**8.3 Relation b/w Employee & its Designation**

**8.4 Relation b/w Financial Advisor & Department**

**8.5 Relation b/w Designation & Loan type**

**8.6 Relation b/w Loan payment & Employee loan**

**8.7 ER Model with all entities, relations and attributes with their cardinalities**

**ABSTRACT**

Employee Loan Management System is a very efficient process to handle all loan related transaction in a very accurate and convenient way. It is designed in order to study the existing system, identifying the problem and improving the system for more proficiency. It is very helpful for those company staff who are taking loans from the company with additional advantages and a lot more efficiency. It provides a very reliable and convenient form for every loan and EMI generated transaction and their related details. It also generates a very customer friendly and understandable form for their transaction information which contains all the information related to next EMI date, remaining amount, etc.

This project mainly deals with the automation activities performed while granting new loan. All the master record of loan automation system like loan type, loan amount, city are maintained by admin of the organization. Customer record entry is done by concern staff along with his all details and loan type applied for. After approval customer is given a unique loan id. Customer pays EMI to that loan id.

The new computerized system will reduce errors while providing a better control over the process and a better management information in timely manner for implementation strategies.