#### CLINIC NALLAM MANAGEMENT SYSTEM

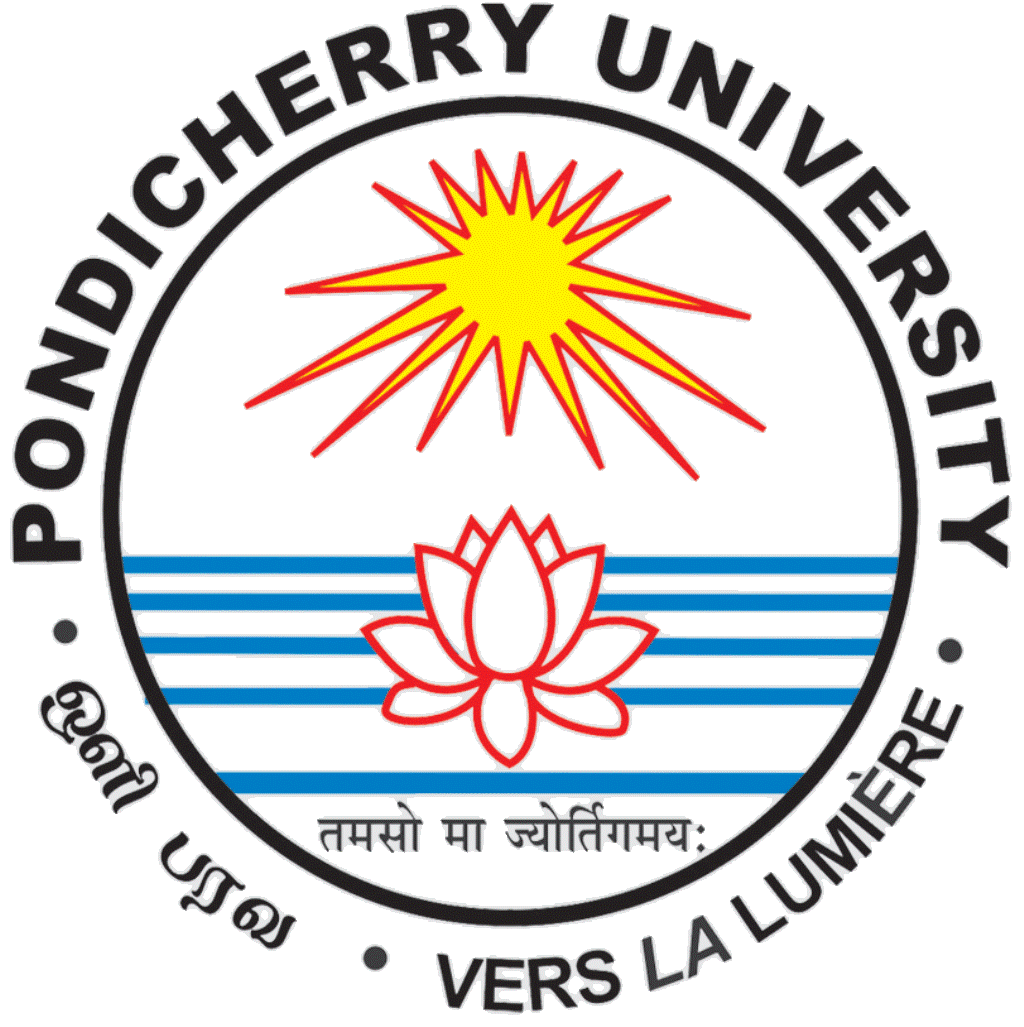
by

# Balendra Kumar Paraste

(Registration Number: 16352096)

# Mini Project report submitted in partial fulfillment of the requirements for the award of the degree of

# MASTER OF COMPUTER APPLICATIONS



## **DEPARTMENT OF COMPUTER SCIENCE**

## **SCHOOL OF ENGINEERING & TECHNOLOGY**

## **PONDICHERRY UNIVERSITY**

November 2018

# BONAFIDE CERTIFICATE

This is to certify that this project work entitled **“CLINIC NALLAM MANAGEMENT SYSTEM”** is a bonafide record of work done by Mr**. Balendra Kumar Paraste** (Reg. Number 16352096) in the partial fulfillment for the degree of Master of Computer Applications of Pondicherry University.

This work has not been submitted elsewhere for the award of any other degree to the best of our knowledge.

**INTERNAL GUIDE** **HEAD OF THE DEPARTMENT**

**Dr. M. Nandhini** **Dr. T.Chithralekha**

Assistant Professor Assoc. Professor and Head (i/c)

Department of Computer Science Department of Computer Science

School of Engineering & Technology School of Engineering & Technology

Pondicherry University Pondicherry University

Pondicherry – 605 014 Pondicherry – 605 014

Submitted for the Viva-Voce Examination held on: **\_\_\_\_\_\_\_\_\_\_\_\_**

**INTERNAL EXAMINER** **EXTERNAL EXAMINER**

**ACKNOWLEDGEMENT**

It would not have been possible without the kind support and help of many individuals. I would like to extend my sincere thanks to all of them.

I am highly thankful to my internal guide **Dr. M.Nandhini,** Assistant Professor, Department of Computer Science for her guidance and constant supervision as well as for providing necessary information regarding the project & also for their support in completing the project.

I would like to express my gratitude towards **Dr. T.Chithralekha,** Associate Professor and Head (i/c), Department of Computer Science for her encouragement and support which helped me in completion of this project.

My thanks and appreciation also goes to my friends in developing the project and people who have willingly helped me out with their abilities.

iii

**SYNOPSIS**

This project is developed to exclude the existing manual based system of Clinic Nallam at Pondicherry. It deals with online patient registration and taking appointments with the specialized doctors, doctors can watch the scheduled appointments with the patients, financial reports like income & expense, maintenance, manage doctors, manage staffs etc.

The developed system therefore has three modules:

* Patient Module:- The patient can register themselves and take appointments with the specialized doctors, manage their own profile and watch appointment history.
* Doctor Module:- The doctor here can manage their own profile and watch the scheduled appointments.
* Admin Module:- The admin can manage the patients, doctors, add specialization, watch financial reports, manage assets and manage staff.

The main function of the system is to take appointments with the doctor, register blood donors, calculate the income and expense, manage assets details, patient details, doctor details and retrieve these details as and when required, and also to manipulate these details meaningfully. System input contains equipment details, patient details, doctor details while system output is to get these details on to the screen. The Clinic Nallam Management System can be accessed by the patients, doctors and admin using their respective username and password. The data are well protected for personal use and makes the data processing very fast.

iv

# TABLE OF CONTENTS

**Title**  **Page No**

**ACKNOWLEDGEMENTS iii**

**SYNOPSIS iv**

**1.** **INTRODUCTION**

**1.1** Introduction **1-2**

**1.1.1** Project Aim

**1.** **1.2** Procedure

**1.2** Project Description

**1.3** Plan of the Report

**2. PROBLEM DEFINITION AND FEASIBILITY ANALYSIS 3-6**

**2.1** Problem Definition

**2.1.1** Advantages of the Proposed System

**2.2** Feasibility Analysis

**2.2.1** Technical Feasibility

**2.2.2** Economical Feasibility

**2.2.3** Operational Feasibility

**2.2.4** Schedule Feasibility

**2.3** Recommended Implementation

**3. SOFTWARE REQUIREMENTS SPECIFICATION 7-10**

**3.1** Project Module

**3.2** Software Requirements

**3.3** Minimum Hardware Requirements

**4. SYSTEM ANALYSIS 11-12**

**4.1 E**xisting System

**4.2** Proposed System

**5. SYSTEM DESIGN 13-19**

**5.1** Introduction

**5.2** Use Case Diagram

**5.3** Class Diagram

**5.4** Activity Diagram

**5.5** Sequence Diagram

**5.6** Deployment Diagram

**6. TESTING AND IMPLEMENTATION 20-23**

**6.1**  System Implementation Details

**6.2** Testing

**6.2.1** Performing System Test

**6.2.2** Things to Test

**6.2.3** Advantages

**6.3** Debugging

**7. CONCLUSION AND FORESEEABLE ENHANCEMENTS 24-33**

**Screenshots**

**8. REFERENCES 34**