

# "MEDICINE DATABASE AND AUTOMATED PRISCRIPTION PRINTING"

Project Report submitted in partial fulfillment of the requirements for the award of the degree of

### **BACHELOR OF COMPUTER APPLICATIONS (BCA)**



Submitted By

SAYAN GHOSH

20CS1A3141

Under the guidance of

Dr.V.S Prakash

DEPARTMENT OF COMPUTER SCIENCE (UG)
BCA PROGRAMME
KRISTU JAYANTI COLLEGE (Autonomous)
K. Narayanapura, Kothanur P.O., Bangalore – 560077



#### **DEPARTMENT OF COMPUTER SCIENCE (UG)**

#### **CERTIFICATE OF COMPLETION**

This is to certify that the project entitled "Medicine Database and Automated Prescription Printing" has been satisfactorily completed by SAYAN GHOSH, 20CS1A3141 in partial fulfillment of the award of the Bachelor of Computer Applications degree requirements prescribed by Kristu Jayanti College (Autonomous) Bengaluru (Affiliated to Bangalore University) during the academic year 2021 -22.

Internal Guide	Head of the Department	
Valued by Examiners		
1:	Centre: Kristu Jayanti College	
2:	Date:	



#### **DECLARATION**

I, SAYAN GHOSH, 20CS1A3141 hereby declare that the project work entitled Medicine Database and Automated Prescription Printing is an original project work carried out by me, under the guidance of Dr.V.S.Prakash

This project work has not been submitted earlier either to any University / Institution or any other body for the fulfillment of the requirement of a course of study.

Signature

(Sayan Ghosh)

Bengaluru

Date:

## **TABLE OF CONTENTS**

S.No	Topic	Page No
1.	Introduction	1
1.1	Problem Definition	1
1.2	Scope of the Project	1
2	System Study	3
2.1	Existing System	3
2.2	Problems in Existing Systems	3
2.3	Proposed System	3
3	System Design	4
3.1	ER Diagram	6
3.2	DFD [lev0, lev1]	12
3.3	Gantt Chart	16
3.4	Input / Output Design	19
4	System Configuration	59
4.1	Hardware Requirements	59
4.2	Software Requirements	59
5.	Details of Software	60
5.1	Overview of Frontend	60
5.2	Overview of Backend	62
5.3	About the Platform	65
6	Testing	66
7	Conclusion and Future Enhancement	68
8	Bibliography	69
9	APPENDICES A-Table Structure	70
10	APPENDICES B-Screenshots	72
11	APPENDICES C-Sample Report of test cases	74

#### **ACKNOWLEDGEMENT**

The success of the project depends upon the efforts invested. It's my duty to acknowledge and thank the individuals who has contributed in the successful completion of the project.

I take this opportunity to express my profound and whole hearted thanks to Rev. Fr. Dr. AUGUTINE GEORGE, PRINCIPAL, KRISTU JAYANTI COLLEGE, and BANGALORE for providing ample facilities made to undergo my project successfully.

I express my deep sense of gratitude and sincere thanks to our Head of the Department **Prof. SEVUGA PANDIAN** for his valuable advice.

I feel immense pleasure to thank my respected guide **Dr. V.S. Prakash** for sustaining Interest and providing dynamic guidance in aiding me to complete this project immaculately and impeccably and for being the source of my strength and confidence.

It is my duty to express my thanks to all Teaching and Non-Teaching Staff members of Computer science department who offered me help directly or indirectly by their suggestions.

The successful completion of my project would not have been possible without my parent's Sacrifice, guidance and prayers. I take this opportunity to thank everyone for their continuous Encouragement. I convey my thankfulness to all my friends who were with me to share my happiness and agony.

Last but not the least I thank almighty God for giving me strength and good health throughout my project and enabling me to complete it successfully.