

Medicine Recommendation System

Submitted in partial fulfilment of the requirements
of the degree of

BACHELOR OF ENGINEERING

In

COMPUTER ENGINEERING

By

Group No: 11

Roll No.	Name
1404056	Nilesh Lalwani
1404060	Karan Makhija
1404068	Namrata Motwani

Supervisor:

PROF. ANAGHA DURUGKAR
(Assistant Professor, Department of Computer Engineering, TSEC)



Computer Engineering Department
Thadomal Shahani Engineering College
University of Mumbai
2017-2018

CERTIFICATE

This is to certify that the project entitled “**Medicine Recommendation System**” is a bonafide work of

Roll No.	Name
1404056	Nilesh Lalwani
1404060	Karan Makhija
1404068	Namrata Motwani

Submitted to the University of Mumbai in partial fulfilment of the requirement for the award of the degree of “**BACHELOR OF ENGINEERING**” in “**COMPUTER ENGINEERING**”

Ms. Anagha Durugkar
Supervisor/Guide

Dr. Tanuja Sarode
Head of Department

Dr. G.T. Thampi
Principal

Project Report Approval for B.E

Project report entitled **Medicine Recommendation System** by

Roll No.	Name
1404056	Nilesh lalwani
1404060	Karan makhija
1404068	Namrata Motwani

is approved for the degree of “***BACHELOR OF ENGINEERING***” in
“***COMPUTER ENGINEERING***”.

Examiners

1.-----

2.-----

Date:

Place:

Declaration

We declare that this written submission represents my ideas in my own words and where others' ideas or words have been included, we have adequately cited and referenced the original sources. We also declare that we have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in our submission. We understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

- 1) _____
Nilesh Lalwani (Roll no.56)
- 2) _____
Karan Makhija (Roll no.60)
- 3) _____
Namrata Motwani (Roll no.68)

Date:

Abstract

We plan to develop a decision support system that helps patients select appropriate first-line medicines. The system allows the patients to protect themselves from infectious diseases by choosing the appropriate medicine. In an evaluation of the prototype system, it correlates each expensive medicine with its equivalent generic medicine. The system uses recommendation system algorithms to give user appropriate medicines and also correlates the user with another user having same health conditions to give better suggestions and accurate results in proper time.

TABLE OF CONTENTS

Sr. No.	Topic	Page No.
	List of Figures	i
1.	Introduction	1
	1.1 Introduction	1
	1.2 Aims & Objective	1
	1.3 Scope	2
2.	Review of Literature	3
	2.1 Domain Explanation	3
	2.2 Existing Solution	8
	2.3 H/W & S/W requirement	9
3.	Analysis	10
	3.1 Functional Requirement	10
	3.2 Non-Functional Requirement	10
	3.3 Proposed System	11
4.	Design	12
	4.1 Design Details	12
	4.2 Design Consideration	19
	4.3 GUI Design	20

5.	Implementation	23
5.1	Plan for Implementation	23
6.	Conclusion	24
	References	25
	Acknowledgement	26

List of Figures

Figure No.	Description	Page No.
Figure 4.1.1	Block Diagram	12
Figure 4.1.2	Use Case Diagram	13
Figure 4.1.3	Activity Diagram	14
Figure 4.1.4	Class Diagram	15
Figure 4.1.5	Sequence Diagram	16
Figure 4.1.6	State Chart Diagram	17
Figure 4.1.7	Data Flow Diagram	18
Figure 4.3.1	GUI 1	20
Figure 4.3.2	GUI 2	21
Figure 4.3.3	GUI 3	22