

CS14 608(P):MINI PROJECT VIDYA ACADEMY OF SCIENCE & TECHNOLOGY

Project Coordinators:

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AOCMS

Automated OP Counter Management System



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INTRODUCTION

- AUTOMATED OP COUNTER MANAGEMENT SYSTEM is a desktop application software which is implemented in JAVA platform.
- It serves as a software platform where the administrator can do the registration of new patients and token generation for all the patients, whether new or already registered.
- This could be done under a single system without using internet. It is divided in to different modules based on the functions.

OBJECTIVE

• Our main aim is to incorporate the functionalities of the present two systems in to single software so that the work of the staff gets easier, efficient and faster. Basically the tasks to be performed are-

- enroll new patients, update their information if needed and generate tokens.
- generate OP number and/or CR number according to the format and assign it to patients.
- Store and retrieve patient details into and from the database.

PROPOSED SYSTEM

We intend to develop a software package compatible for Windows OS using Java IDE and MySQL. Hence the two functionalities are combined into single software so that the work of the staff gets easier, efficient and faster. This will make people get all the requirements including the OP Ticket, CR number and Token from a single counter. People need not wander unnecessarily and also won't need to wait in those long unnecessary queues anymore as all those functions will be provided in the new software package.

IMPLEMENTATION DETAILS

The technical specifications we may need are as given below.

Software specification

JAVA - NETBEANS

Database - MYSQL

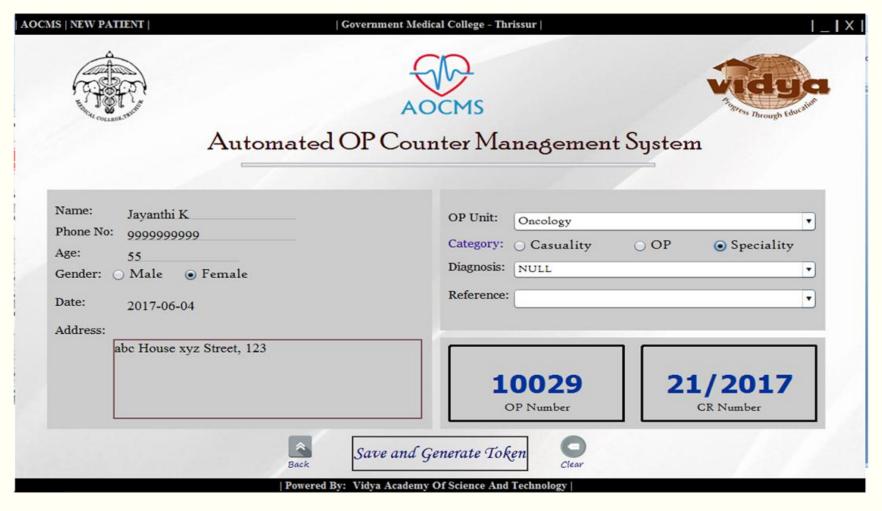
Windows Operating System

IMPLEMENTATION DETAILS

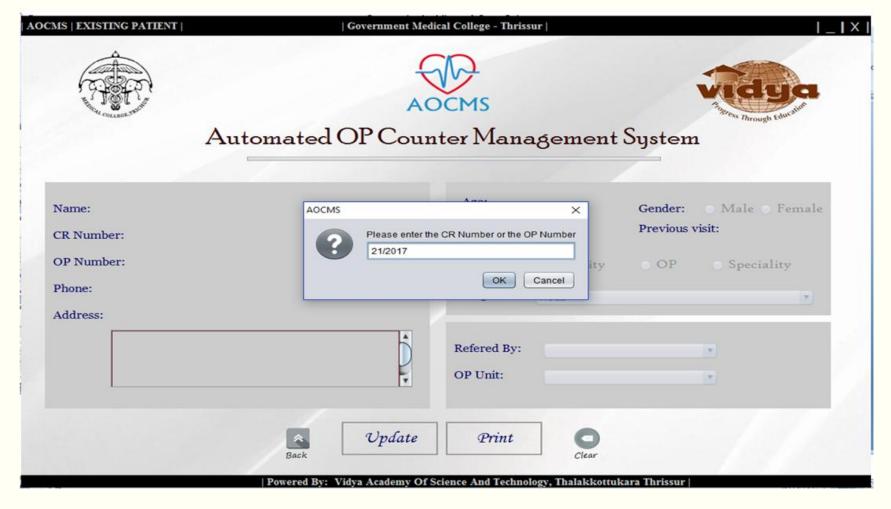
Hardware Specifications

Ticket/Token Printer
PC with 2GB ram, 500 GB memory(minimum)

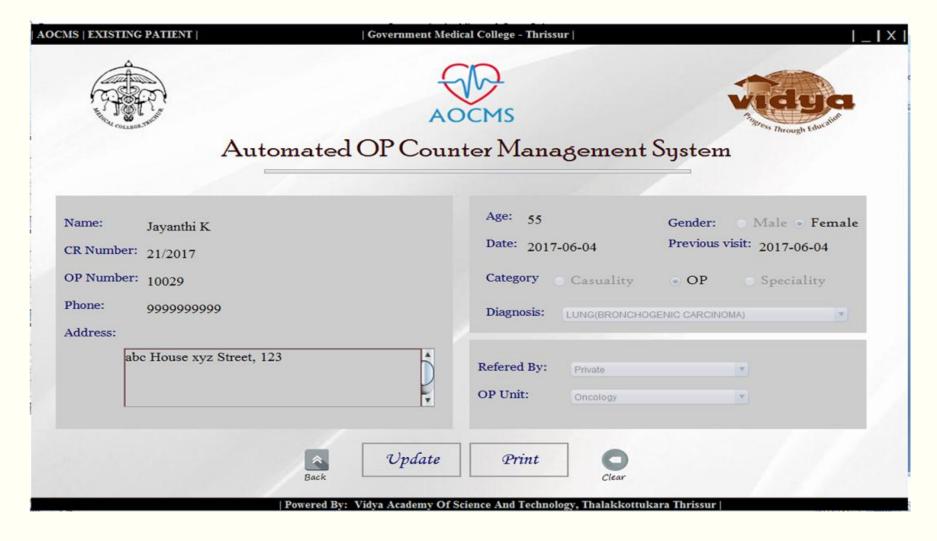




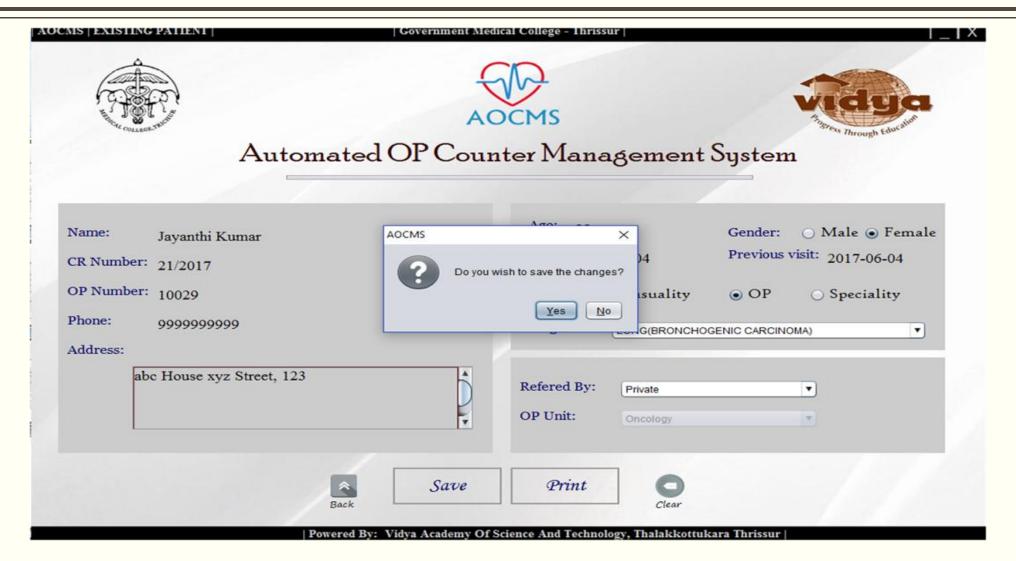
New patient interface



Accessing the Records of Existing Patient



Viewing the records of existing patient to update



Saving the updated record

- The result of our project revealed that our proposed application software proves to be a better alternative than the existing ones.
- This software is very user friendly and it drastically reduces the time lag for the completion of registration and/or token generation process.
- Our proposed software doesn't require internet connection.
- Using this system, people will get all the requirements including the OP Ticket, CR number and Token from a single counter, thereby reducing human efforts.

GOVERNMENT MEDICAL COLLEGE Mulankunnathukavu,

Thrissur, 680531

NAME :Kumar D AGE :65 SEX

DATE :2017-04-27

OP NUMBER :10007 | CR NUMBER

Vidya Academy of Science & Technology P.O. Thalakottukara Thrissur, Kerala 680501

OP Ticket for Oncology Patients

GOVERNMENT MEDICAL COLLEGE

Mulankunnathukavu, Thrissur, 680531

OP TICKET

NAME :Ansar H AGE :85

SEX :M

DATE :2017-04-27

OP NUMBER :10008 | CR NUMBER :NOT AVAILABLE

OP Ticket for non Oncology Patients

Vidya Academy of Science & Technology P.O. Thalakottukara Thrissur, Kerala 680501

GOVERNMENT MEDICAL COLLEGE

Mulankunnathukavu, Thrissur, 680531

TOKEN

NAME : Joseph K

AGE : 57

CR NUMBER :1/2017

TOKEN NUMBER :2

Vidya Academy of Science & Technology

P.O. Thalakottukara

Thrissur, Kerala 680501

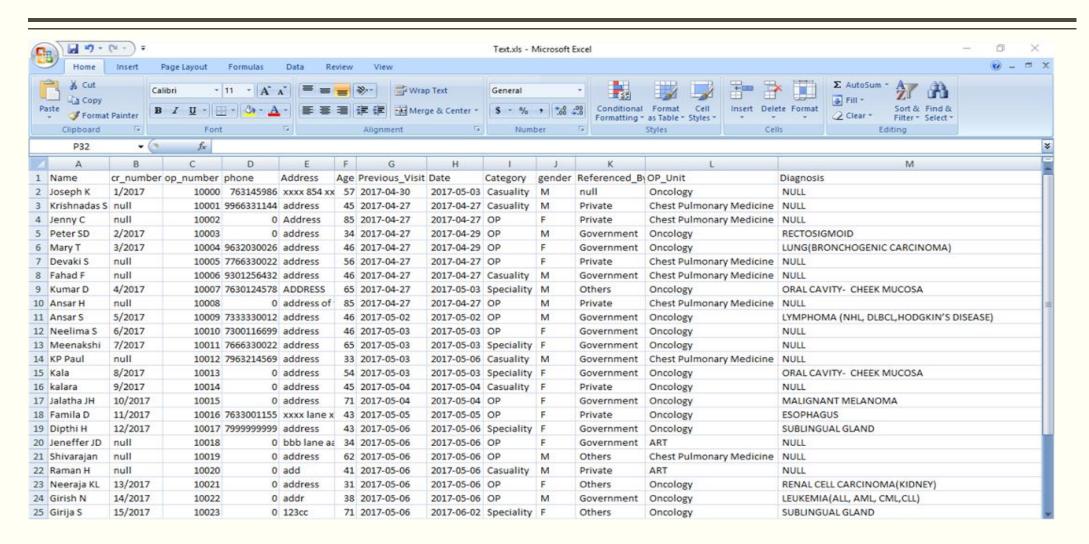
Token given for Onclogy patients

ANALYSIS



Analysis Interface

ANALYSIS OUTPUT



MERITS

- The following are the merits that are achieved through our package:
- > Reduced human efforts
- > Reduction of time lag
- ➤ Efficient token management
- ➤ Complete resource utilization
- > Secured preservation of data.
- ➤ Internet independent
- ➤ User friendly and easy to access

CONCLUSION

- In the current work we developed a simplified automated OP Counter Management System.
- The problem was divided into different modules based on the functionalities.
- The solution system resolved all the inefficiencies in the existing system and also provided additional features to enhance the functioning.
- Focused mainly in providing better user interface to the users associated with the system.

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