

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

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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)

SCREENSHOTS





Main Page

SCREENSHOTS

AOCMS | NEW PATIENT |

| Government Medical College - Thrissur |

| _ | X |



Automated OP Counter Management System

Name: Jayanthi K

Phone No: 9999999999

Age: 55

Gender: ☐ Male ☒ Female

Date: 2017-06-04

Address: abc House xyz Street, 123

OP Unit: Oncology

Category: ☐ Casualty ☐ OP ☒ Speciality

Diagnosis: NULL

Reference:

10029
OP Number

21/2017
CR Number

Back

Save and Generate Token




Clear

Powered By: Vidya Academy Of Science And Technology |

New patient interface

SCREENSHOTS

AOCMS | EXISTING PATIENT | Government Medical College - Thrissur | _ | X |



Automated OP Counter Management System

Name:

CR Number:

OP Number:

Phone:

Address:

Gender: ☐ Male ☐ Female

Previous visit: ☐ OP ☐ Speciality

Referred By:

OP Unit:

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AOCMS




?

Please enter the CR Number or the OP Number

Accessing the Records of Existing Patient





SCREENSHOTS

AOCMS | EXISTING PATIENT | | Government Medical College - Thrissur | | _ | X |



Automated OP Counter Management System

Name: Jayanthi K	Age: 55	Gender: <input type="radio"/> Male <input checked="" type="radio"/> Female
CR Number: 21/2017	Date: 2017-06-04	Previous visit: 2017-06-04
OP Number: 10029	Category: <input type="radio"/> Casualty <input checked="" type="radio"/> OP <input type="radio"/> Speciality	
Phone: 9999999999	Diagnosis: LUNG(BRONCHOGENIC CARCINOMA)	
Address: abc House xyz Street, 123	Referred By: Private	
	OP Unit: Oncology	




 Back  Update  Print  Clear

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Viewing the records of existing patient to update

SCREENSHOTS

AOCMS | EXISTING PATIENT | Government Medical College - Thrissur |



Automated OP Counter Management System

Name: Jayanthi Kumar

CR Number: 21/2017

OP Number: 10029

Phone: 9999999999

Address: abc House xyz Street, 123

Gender: ☐ Male ☒ Female

Previous visit: 2017-06-04

Speciality: ☒ OP ☐ Speciality

Diagnosis: BRONCHOGENIC CARCINOMA

Referred By: Private

OP Unit: Oncology

Back

Save

Print

Clear

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Saving the updated record

RESULTS

- 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.

RESULTS

GOVERNMENT MEDICAL COLLEGE
Mulankunnathukavu,
Thrissur, 680531

OP TICKET

NAME :Kumar D
AGE :65
SEX :M
DATE :2017-04-27

OP NUMBER :10007 | CR NUMBER :4/2017

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

OP Ticket for Oncology Patients

RESULTS

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

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

OP Ticket for non Oncology Patients

RESULTS

GOVERNMENT MEDICAL COLLEGE
Mulankunnathukavu,
Thrissur, 680531

TOKEN

NAME : Joseph K
AGE : 57
CR NUMBER : 1/2017

TOKEN NUMBER : 2

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P.O. Thalakkottukara
Thrissur, Kerala 680501



Token given for Oncology patients

ANALYSIS

AOCMS | ANALYSIS |

| Government Medical College - Thrissur |

| _ | X |



Automated OP Counter Management System

Columns to be displayed:

☐ Name

☐ CR Number

☐ OP Number

☐ Age

☐ Date

☐ Count

☐ Category

☐ Gender

☐ Reference

☐ OP Unit

☐ Diagnosis

☒ All Details

Conditions

☒ All Details

☐ OP Unit

☐ Age

☐ Gender

☐ Date


Back

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Analysis Interface

ANALYSIS OUTPUT

Text.xls - Microsoft Excel

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Name	cr_number	op_number	phone	Address	Age	Previous_Visit	Date	Category	gender	Referenced_By	OP_Unit	Diagnosis
2	Joseph K	1/2017	10000	763145986	xxxx 854 xx	57	2017-04-30	2017-05-03	Casualty	M	null	Oncology	NULL
3	Krishnadas S	null	10001	9966331144	address	45	2017-04-27	2017-04-27	Casualty	M	Private	Chest Pulmonary Medicine	NULL
4	Jenny C	null	10002	0	Address	85	2017-04-27	2017-04-27	OP	F	Private	Chest Pulmonary Medicine	NULL
5	Peter SD	2/2017	10003	0	address	34	2017-04-27	2017-04-29	OP	M	Government	Oncology	RECTOSIGMOID
6	Mary T	3/2017	10004	9632030026	address	46	2017-04-27	2017-04-29	OP	F	Government	Oncology	LUNG(BRONCHOGENIC CARCINOMA)
7	Devaki S	null	10005	7766330022	address	56	2017-04-27	2017-04-27	OP	F	Private	Chest Pulmonary Medicine	NULL
8	Fahad F	null	10006	9301256432	address	46	2017-04-27	2017-04-27	Casualty	M	Government	Chest Pulmonary Medicine	NULL
9	Kumar D	4/2017	10007	7630124578	ADDRESS	65	2017-04-27	2017-05-03	Speciality	M	Others	Oncology	ORAL CAVITY- CHEEK MUCOSA
10	Ansar H	null	10008	0	address of	85	2017-04-27	2017-04-27	OP	M	Private	Chest Pulmonary Medicine	NULL
11	Ansar S	5/2017	10009	7333330012	address	46	2017-05-02	2017-05-02	OP	M	Government	Oncology	LYMPHOMA (NHL, DLBCL,HODGKIN'S DISEASE)
12	Neelima S	6/2017	10010	7300116699	address	46	2017-05-03	2017-05-03	OP	F	Government	Oncology	NULL
13	Meenakshi	7/2017	10011	7666330022	address	65	2017-05-03	2017-05-03	Speciality	F	Government	Oncology	NULL
14	KP Paul	null	10012	7963214569	address	33	2017-05-03	2017-05-06	Casualty	M	Government	Chest Pulmonary Medicine	NULL
15	Kala	8/2017	10013	0	address	54	2017-05-03	2017-05-03	Speciality	F	Government	Oncology	ORAL CAVITY- CHEEK MUCOSA
16	kalara	9/2017	10014	0	address	45	2017-05-04	2017-05-04	Casualty	F	Private	Oncology	NULL
17	Jalatha JH	10/2017	10015	0	address	71	2017-05-04	2017-05-04	OP	F	Government	Oncology	MALIGNANT MELANOMA
18	Famila D	11/2017	10016	7633001155	xxxx lane x	43	2017-05-05	2017-05-05	OP	F	Private	Oncology	ESOPHAGUS
19	Dipthi H	12/2017	10017	7999999999	address	43	2017-05-06	2017-05-06	Speciality	F	Government	Oncology	SUBLINGUAL GLAND
20	Jeneffer JD	null	10018	0	bbb lane ae	34	2017-05-06	2017-05-06	OP	F	Government	ART	NULL
21	Shivarajan	null	10019	0	address	62	2017-05-06	2017-05-06	OP	M	Others	Chest Pulmonary Medicine	NULL
22	Raman H	null	10020	0	add	41	2017-05-06	2017-05-06	Casualty	M	Private	ART	NULL
23	Neeraja KL	13/2017	10021	0	address	31	2017-05-06	2017-05-06	OP	F	Others	Oncology	RENAL CELL CARCINOMA(KIDNEY)
24	Girish N	14/2017	10022	0	addr	38	2017-05-06	2017-05-06	OP	M	Government	Oncology	LEUKEMIA(ALL, AML, CML,CLL)
25	Girija S	15/2017	10023	0	123cc	71	2017-05-06	2017-06-02	Speciality	F	Others	Oncology	SUBLINGUAL GLAND

Excel 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.

BIBLIOGRAPHY

<https://www.oracle.com/java>

<https://netbeans.org>

www.jrsoftware.org/isdl.php