An efficient methodology to manage the admissions in hospitals during the pandemics such as covid 19

Abstract

An efficient methodology to manage the admissions in hospitals during the pandemics such as COVID 19 aims at simplifying the system of getting admissions to hospitals especially during the period of pandemics. It's difficult to get bed or ventilators during a pandemic such as COVID 19. Which is highly contagious the number patients will be increasing exponentially? The proposed invention implements techniques based on grids using cloud server and centralized database system. The patients get the availability of bed with the single click on the user interface of application. 2/2 PATIENT TESTED POSTIVE CLOUD SERVER CHECK AVAILABILITY OF RED j CHECK AVAILABILITY OF VENTILATOR HOSPITAL -1 HOSPITAL - 2 BED - YES BED -YES VENTILATOR - NO VENTILATOR - YES HOSPITAL - 3 BED-NO VENTILATOR - YES DISPLAYED TO USES FIG: FLOW DIAGRAM

Classifications

- G16H40/20 ICT specially adapted for the management or administration of healthcare resources or facilities; ICT specially adapted for the management or operation of medical equipment or devices for the management or administration of healthcare resources or facilities, e.g. managing hospital staff or surgery rooms

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Australia

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Info: Legal events, Similar documents, Priority and Related Applications

External links: Espacenet, Global Dossier, Discuss

Claims (6)

Hide Dependent

1. An efficient methodology to manage the admission in hospitals during the pandemic such as COVID 19 comprises of plurality of database and user interface application and cloud server.

2. As claimed in claim, the proposed system includes a user interface an application wherein the user over the patient can get the details regarding the availability of bed as well as ventilators by installing the application on their cell phone.

3. As claimed in claims, the proposed system includes plurality of databases wherein the databases are placed at various hospitals across the city. The databases will be updated by the staff members of the hospitals soon after admissions and discharges to keep the data updated and facilitating the patients.

4. As claimed in claim, the proposed invention includes a cloud server, will retrieve data from various databases that are placed at hospitals.

5. As claimed in claim 4, the cloud server is program to generate a scrutinized database from database collected form plurality of databases. This data can be used for the purpose of report generation and analysis.

6. As claimed in claim 1, the proposed system or the proposed invention will help the patients for finding the hospitals and got admitted as soon as possible without delaying the treatment.

Description

2/2

PATIENT
TESTED POSTIVE
CLOUD SERVER

CHECK AVAILABILITY OF RED j

CHECK AVAILABILITY OF VENTILATOR

HOSPITAL -1 HOSPITAL - 2 BED - YES BED -YES VENTILATOR - NO VENTILATOR - YES

HOSPITAL - 3 BED-NO VENTILATOR - YES

DISPLAYED TO USES
FIG: FLOW DIAGRAM
AN EFFICIENT METHODOLOGY TO MANAGE THE ADMISSIONS IN

HOSPITALS DURING THE PANDEMICS SUCH AS COVID 19

FIELD OF INVENTION

The present invention relates to the field of an efficient methodology to manage the admission process for the persons who have tested positive for the corona virus disease. During this high time, we are seeing rare cases where people are losing their lives without even able to get admission to hospitals, since not all hospitals are open to treat COVID 19 nor the patients are aware about the availability of bed in the current scenario.

BACKGROUND OF INVENTION

[0001] Background description includes information that may be useful in understanding the present invention. It is not an admission that any of the information provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art.

[0002] COVID 19 has turned out to be a pandemic that is spreading at grater rate and affecting the day to day activities and also precautionary measures taken by the hospitals a less since everyone fear about the spread of the corona virus disease. Now the case is shouting up the day by day and that arise the need for managing the admission to hospitals during this period.

[0003] In the current scenario there is no atomized technique to handle the admissions to hospitals and also facilitates proper ventilator facilities which is very important for treating the patients suffering from corona virus. Since the corona virus disease is highly contagious. The patients are striving hard to get admissions in hospitals and the number of cases is increasing day by day.

[0004] Thus, the proposed invention will address the issue by managing admissions to hospitals in an easier manner so that neither the patient or his/ her relatives does not have to panic get a bed in hospitals. This invention will also support the process of faster treatment and helps to save the precious time of patients.

[0005] The proposed invention will be implemented using agreed system. The grids will indicate the available and non-availability of beds in a particular hospital. The patients can directly visit the hospital by visualizing ventilator facility. This invention will not create chaise among the patient or his/ her relatives.

[0006] The above information is presented as background information only to assist with an understanding of the present disclosure. No determination has been made, no assertion is made, and as to whether any of the above might be applicable as prior art with regard to the present invention.

[0007] In the view of the foregoing disadvantages inherent in the known types of Hospital management techniques now present in the prior art, the present invention provides improved results. As such, the general purpose of the present invention,

which will be described subsequently in greater detail, is to provide a new and efficient technique to provide a self-phased hospital admission management system which has all the advantages of the prior art and none of the disadvantages.

SUMMARY OF INVENTION

[0008] In the View of the foregoing disadvantages inherent in the known types of smart hospital management system now present in the prior art, the present invention provides an improved and efficient self-phased Monitoring system. As such, the general purpose of the present invention, which will be described subsequently in greater detail, is to provide a new technique to analyze the availability of beds and ventilators at various hospitals which has all the advantages of the prior art and none of the disadvantages.

[0009] The main objective of the proposed invention is to develop a system that will help the patient bed in hospitals of his / her interests during the high time of pandemics. The invention is based on grade system.

[0010] Yet another object of the proposed invention is that it includes a centralized database that will record the information regarding availability of beds and ventilators from various hospitals across the city.

[0011] Yet another object of the proposed invention is that the staff members of the hospitals have to voluntarily enter the details of availability of bed and ventilator as soon as the patients get discharged.

[0012] Yet another important aspect of the proposed invention is that the user interface is designed with simplicity by allowing the user to just enter the information by clicking on the grids. The staffs on do this by connecting their mobile phone or laptop to the centralized server and block or unblock the grids which represents bed to update the information regarding the bed availability.

[0013] Another aspect of the proposed invention is that the centralized server or cloud server will communicate with the database of various hospitals and then prepare a database of grade that will display only the availability of beds and ventilators to the patient.

[0014] Another important aspect of the proposed invention is that the information from the cloud server can be used for the purpose analysis and report generation. These reports will help for arriving at suggestions and conclusions.

[0015] This respect, before explaining in at least one embodiment of the invention in detail, it is to be understood that the invention is not limited in its application to the details of construction and to the arrangements of the components set forth in the following description or illustrated in the drawings. The invention is capable of other embodiments and of being practiced and carried out in various ways. Also, it is to be understood that the phraseology and terminology employed herein are for the purpose of description and should not be regarded as limiting.

[0016] These together with other objects of the invention, along with the various features of novelty which characterize the invention, are pointed out with particularity in the disclosure. For a better understanding of the invention, its operating advantages and the specific objects attained by its uses, reference should be had to the accompanying drawings and descriptive matter in which there are illustrated preferred embodiments of this respect, before explaining In at least one embodiment of the invention in detail, it is to be understood that the invention is not limited in its application to the details of construction and to the arrangements of the components set forth in the following description or illustrated in the drawings. The invention is capable of other embodiments and of being practiced and carried out in various ways.

Also, it is to be understood that the phraseology and terminology employed herein are

for the purpose of description and should not be regarded a limiting the invention.

BRIEF DESCRIPTION OF DRAWINGS

[0017] The invention will be better understood and objects other than those set forth above will become apparent when consideration is given to the following detailed description thereof. Such description makes reference to the annexed drawings where in:

Figure 1 illustrates the Block diagram of an efficient methodology to manage the admissions in hospitals during the pandemics such as COVID19 according to the embodiments herein.

Figure 2 illustrates the Flow Diagram of an efficient methodology to manage the admissions in hospitals during the pandemics such as COVID19 according to an embodiment herein.

DETAILED DESCRIPTION OF THE INVENTION

[0018] In the following detailed description, reference is made to the accompanying drawings which forms a part hereof, and in which is shown by way of illustration specific embodiments in which the invention may be practiced. These embodiments are described in sufficient detail to enable those skilled in the art to practice the invention, and it is to be understood that the embodiments may be combined, or that other embodiments may be utilized and that structural and logical changes may be made without departing from the spirit and scope of the present invention. The following detailed description is, therefore, not to be taken in a limiting sense, and the scope of the present invention is defined by the appended claims and their equivalents.

[0019] While the present invention is described herein by way of example using several embodiments and illustrative drawings, those skilled in the art will recognize that the invention is neither intended to be limited to the embodiments of drawing or drawings described, nor intended to represent the scale of the various components. Further, some components that may form a part of the invention may not be illustrated in certain figures, for ease of illustration, and such omissions do not limit the embodiments outlined in any way. It should be understood that the drawings and detailed description thereto are not intended to limit the invention to the particular form disclosed, but on the contrary, the invention covers all modifications, equivalents and alternatives falling within the spirit and scope of the present invention as defined by the appended claims. The headings are used for organizational purposes only and are not meant to limit the scope of the description or the claims. As used throughout this description, the word "may" be used in a permissive sense (i.e. meaning having the potential to), rather than the mandatory sense (i.e. meaning must). Further, the words "a" or "an" mean "at least one" and the word "plurality" means one or more, unless otherwise mentioned. Furthermore, the terminology and phraseology used herein is solely used for descriptive purposes and should not be construed as limiting in scope. Language such as "including," "comprising," "having," "containing," or "involving," and variations thereof, is intended to be broad and encompass the subject matter listed thereafter, equivalents, and any additional subject matter not recited, and is not intended to exclude any other additives, components, integers or steps.

[0020] Likewise, the term "comprising" is considered synonymous with the terms "including" or "containing" for applicable legal purposes. Any discussion of documents, acts, materials, devices, articles and the like are included in the specification solely for the purpose of providing a context for the present invention.

[0021] In this disclosure, whenever an element or a group of elements is preceded with the transitional phrase "comprising", it is understood that we also contemplate the

same element or group of elements with transitional phrases "consisting essentially of, "consisting", "selected from the group consisting of', "including", or "is" preceding the recitation of the element or group of elements and vice versa.

[0022] The proposed invention is that an efficient methodology to manage the admission in admissions during the pandemic such as COVID 19. The invention aims at implementing the techniques of getting admissions to hospitals in a faster way by verifying the facilities that are available. The invention is implemented using an application that can be installed on the cell phone of the user and the databases of various hospitals connected to the cloud servers.

[0023] The invention will let the staff members of the hospitals to enter the data regarding the availability of ventilators and beds. The patient can just look for the unblocked grade and approach hospitals for treatment. This feature will help the patient to get treatment soon as possible without waiting time by roaming around the hospitals enquiring the hospitals for availability of bed and ventilators.

[0024] Reference will now be made in detail to the exemplary embodiment of the present disclosure. Before describing the detailed embodiments that are in accordance with the present disclosure, it should be observed that the embodiment resides primarily in combinations arrangement of the system according to an embodiment herein and as exemplified in FIG.

[0025] Figure 1 illustrates the block diagram of an efficient methodology to manage the admission in during the pandemic such as COVID 19. The beds of various hospitals are numbered and saved in form of grids. The grids of various hospitals are in term connected to the centralized server or cloud server. The user can check the availability of bed by logging on the application that is connected to the cloud server.

[0026] Figure 2 illustrates the flow diagram of an efficient methodology to manage the admission during the pandemic such as COVID 19. Whenever a patient is tested positive for COVID 19 or any contagious disease, he/she will check the availability of bed by logging in to the application that is installed on their cell phone. The availability of beds as well as ventilators will be displayed against to the hospital name by retrieving the data from centralized server or cloud server.

[0027] In the above description, for the purpose of explanation, numerous specific details are set forth in order to provide a thorough understanding of the arrangement of the system according to an embodiment herein. It will be apparent, however, to one skilled in the art, that the present embodiment can be practiced without these specific details. In other instances, structures are shown in block diagram form only in order to avoid obscuring the present invention.

Similar Documents

Publication	Publication Date	Title
Kram et al.	2015	Implementation of the ABCDE bundle to improve patient outcomes in the intensive care unit in a rural community hospital
Zanobetti et al.	2002	Cardiovascular damage by airborne particles: are diabetics more susceptible?
Hawkins et al.	2007	Indirect cost burden of migraine in the United States
Wang et al.	2020	Clearing the surgical backlog caused by COVID-19 in Ontario: a time series modelling study
Schlotz et al.	2004	Perceived work overload and chronic worrying predict weekend–weekday differences in the cortisol awakening response
Pandit et al.	2011	Using mean duration and variation of procedure times to plan a list of surgical operations to fit into the scheduled list time
Strehlau et al.	2012	Mental health, concurrent disorders, and health care utilization in homeless women
Breslin et al.	2004	Wireless technology improves nursing workflow and communications
Pati et al.	2014	Physical design correlates of efficiency and safety in emergency departments: a qualitative examination

US20040030579A1	2004-02-12	Method, system and computer program product for providing medical information
Roels et al.	2008	Donation patterns in four European countries: data from the donor action database
Dexter et al.	2001	Scheduling a delay between different surgeons' cases in the same operating room on the same day using upper prediction bounds for case durations
Ojo et al.	1999	A practical approach to evaluate the potential donor pool and trends in cadaveric kidney donation1
US20050209884A1	2005-09-22	Method, system and computer program product for providing medical information
Skjernov et al.	2020	DSM-5 personality disorders and traits in patients with severe health anxiety
Al-Qahtani et al.	2012	Quality of care in accredited and nonaccredited hospitals: Perceptions of nurses in the Eastern Province, Saudi Arabia
Cohen et al.	2018	Proactive safety management in trauma care: Applying the Human Factors Analysis and Classification System
AU2020102836A4	2021-01-21	An efficient methodology to manage the admissions in hospitals during the pandemics such as covid 19
Colombo et al.	2005	Measurement of nursing care time of specific interventions on a hematology-oncology unit related to diagnostic categories
Baernholdt et al.	2018	Quality measures: a Stakeholder analysis
de Schepper et al.	1997	Feelings of powerlessness in relation to pain: ascribed causes and reported strategies: a qualitative study among Dutch community nurses caring for cancer patients with pain
Happ et al.	2004	Event analysis techniques
Omran et al.	2009	A k-anonymity based semantic model for protecting personal information and privacy
Kim et al.	2021	Effect of a multidisciplinary program to improve organ donation in the emergency department
Salahuddin et al.	2020	Exploring the contributing factors to workarounds to the hospital information system in Malaysian hospitals

Priority And Related Applications

Priority Applications (1)

Application	Priority date	Filing date	Title
AU2020102836A	2020-10-17	2020-10-17	An efficient methodology to manage the admissions in hospitals during the pandemics such as covid 19

Applications Claiming Priority (1)

Application	Filing date	Title
AU2020102836A	2020-10-17	An efficient methodology to manage the admissions in hospitals during the pandemics such as covid 19

Legal Events

Date	Code	Title	Description
2021-01-21	FGI	Letters patent sealed or granted (innovation patent)	

Concepts

machine-extracted

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Name	Image	Sections	Count	Query match
method		title,claims,abstract,description	18	0.000
coronavirus disease 2019		title,claims,abstract,description	13	0.000
diagram		abstract,description	7	0.000

Show all concepts from the description section

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