THE ASSISTED HEALTHCARE SYSTEM (AHS)

Under the supervision of DR. Islam Elgedawy

Project description:

Our system is about health care and medical care using virtual reality (VR), Artificial intelligence (AI), Data base and Big data analysis.

List of names:

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CUSTOMER REQUIREMENTS:

1. Smart device anyone can buy it which connected to the system that can send the location to the hospital to send ambulance if there is any accident happens.

2. Rabid communication with the client through smart system.

3. Send Alert to his emergency contacts before any problems or complications occur.

4. The device checks the nearest hospital to patient

5. Periodic follow-up on blood circulation.

6. Create empathetic interaction using voice feedback.

7. Properly document patient note.

8. Giving recommendation about doctors information to the patient.

9. Make an appointment with doctor and check the availability.

10. Patient needs a medication schedule or planner to remind him to take his medicine on time.

11. The latest news about preventative care.

12. Increase the accuracy by letting AI check the X-ray and medicines effect on each other or if the patient have an allergy to medication

Subsystems names & functions:

1. Registration which get from the patient all the data about his health condition, national id, his phone number and also get his emergency contacts.
2. AI suggest the suitable doctor according to the patient's health condition.
3. collecting patient data on a data base system and the diseases he suffers from.
4. Using a smart device to follow-up his health condition and if there any bad record the patient and his emergency contact will receive alert.

5. The system checks if the medicines that will be taken in the same time, doesn't have harmful effects on patient. (doctor specialization)

6. if medicine will have harmful effect, system refuses to dispense medicine to the nurse or the pharmacist.

7. Medical consultation with bots using artificial intelligence to ask them and take advice from them for treatment, and if the bot cannot understand the situation, then the medical consultation becomes with a real doctor online, or he can book appointment in the hospital.

8. If the patient is allergic to the medicine and the doctor did not pay attention and made a request for the medicine, the system rejects the request.

9. X-Ray with AI to detect if there is any broken bone, sprain, etc.

10. The system reminds you of medication times

11. The device checks the amount of the medicine and make alert before the end of medicine.

12.	The system will provided with language translation to communicate with patients who speak different languages