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**Team ID:** 8

**Team Members:** Priyadarsini, Nidadavolu

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**Motivation:** It’s a tedious job for a patient to wait for a doctor in the hospital to get a medical advice

and many forget to take the medications at the right time. So, we have an idea of lending a robot that can provide better healthcare facilities.

**Significance/Uniqueness:**

**Objectives:**

Robo, can receive a call and answer to the patient and can schedule an appointment as per his preference. The Robo will be taking the inputs from the patient and assign a general practitioner and a specialist related to the issue that patient has been facing. While Booking an appointment, robo should take the request action from the caller and check for the availability of that particular doctor at that particular time and suggest the patient about the availability in the order of their excellence. Confirms the appointment. Send a message to the doctors smart watch and set an alarm in that. So that the alarm will be notifying the doctor about the appointment with the patient prior 15 minutes.

What if in case, doctor/ patient wants to reschedule the appointment for any reason?

Doctor notifies the robot to convey his unavailabity to the patient, Now the robo make other suggestions like next available dates of that doctor or make an appointment with other specialized doctors in that field. This information will be conveyed in the form of text message to the patient’s mobile.

**System Features:**

* Interaction with Robots, Smartwatches and Mobile Devices
  + Image Data
  + Speech/Text Data
* Big Data Analytics Platform
  + Big data infrastructure (Apache Hadoop/ecosystems and Apache Spark)
  + Machine Learning Tools (Apache Spark/Mahout/R)
* Context Aware Machine Learning
  + Natural Language Processing/Question Answering
  + Face Recognition
  + Recommendation System

Related Work:

**Future Scope:**

Diet Suggestions

Outpatient – Message about the drug schedule.

Lab instructions.

Prescriptions

**Backup Project:**

We would like to design a robot which keeps track of my activities. We usually keep forgetting about the basic things like car keys etc. where we have misplaced them and end up spending a lot of time in searching for them. So, this robot will be keeping track of the major things which we ask to track about. The tracking will happen by capturing the images and the geographic location of it. So next time when the user want a particular article, robot will be telling the user where he had placed the object for the last time.

**Bibiliography:**