

Demonstrating the use of robots in hospitals via simulations and animations

Group 04

TOP Comtel

Coordinator: Deepak Raina

Members: Subhanjan Puley, Uttal Saha, Rahul Kumar Singh

About Team

Deepak Raina – PhD (Robotics)

Rahul Kumar Singh – M.Tech (Design)

Subhanjan Puley – B.Tech (Civil)

Uttal Saha – Class 9th

Objectives

Develop the simulation/animated environment to demonstrate the use of robots in hospitals

Technology Impact:

- Prevents from COVID-19 virus
- Precise diagnosis

Tasks assigned

Rahul: Designing hospital beds, diagnostic equipment, wheelchairs in AutoCAD

Subhanjan: Designing doctors, nurses, robots using AutoCAD

Uttal: Learn about animating 3D Bodies

Deepak: Guiding and helping team; Assembling and simulating designed bodies/objects in Gazebo environment

Progress

Subhanjan:



NURSE



DOCTOR



PATIENTS

Future Work: Simulating designed bodies of humans and design robots

Progress

Rahul replied:

- “My end term exam is carrying on .it will finish on 15 jan. I will submit on 16th.”

Uttal replied:

- “Had exams from 7th to 15th”
- “My exams are finished by today... But unfortunately, I have an invitation of marriage ceremony from tomorrow to 21st... So, I will be busy for that...”

Learnings and Challenges

Experience of mentoring unknown people

Group members are busy with exams.

Nobody is taking the activity seriously.

Difficult to work remotely.

Future Work

Guiding and helping members to achieve the maximum possible objectives of project.

Thanks