**Documentation for Lab Assignment-2**

**Rest API**: Twilio SMS API. This API sends the given message to the authorized mobile number.

**Project Relevance:**

We are designing a robot in health care domain for which we need to send alerts when we detect a dangerous object, which we define in the machine-learning objective.

So when we detect a dangerous object in the vicinity of the robot it sends a message alert to the authorized personal. We define all the relevant numbers for which we need to send the SMS alert so that as soon as we detect we send a message. The robot will also take the pictures while roaming in the vicinity of the hospital. The images are then processed to identify the hazardous objects depending on the type so that the message is triggered to the respective department.

The other feature we use in the project is text to speech API that we use for giving a speech alert when an un-authorized personnel enters the Intensive Care Unit other than the hospital staff. The other Sub group of our Project team has implemented this.

Please find the screen shots below:



