Multipurpose Rover

- Create a working model of the rover fitted with sensors for the measurement of different factors
  - Adding the feature of obstacle detection
  - Procure the sensors and the base for the rover that will form the basic structure.
    - Calibrate the sensors along with the arduino so that they measure different parameters
      - Adding a water sensor
      - Adding a temperature and humidity sensor
      - Adding a smoke sensor
    - Adding wheels to the base for off-road movement
- Procure the right kind of camera that is required for our rover
  - Calibrate camera such that it streams live video
    - Live video will help us to control the movement of the rover
  - Fix it to the body of the rover
- Control the rover's movement via web
  - Procure the required modules
    - Installing the required libraries to control the required movement
      - Calibrate them on arduino so that we can use the web to controld the movement
  - Create a web app that has buttons
    - Buttons are used to control the movement by giving them commands
- Website that displays various parameters to study the environment the rover is sent to
  - Gain enough knowledge that would enable us to create a website
    - Website will display the values acquired by the sensors
      - Configure the different modules that will help us to send data to web
    - Setup the website in such a way that it represents the data which is comprehedible to the user
- Robot arm for picking and dropping objects
  - Procure all the hardware required for making roboarm
    - Setup the roboarm and include it in the circuit so that it can be controlled by us
      - Modifying the website so that it can even control the movement of the roboarm