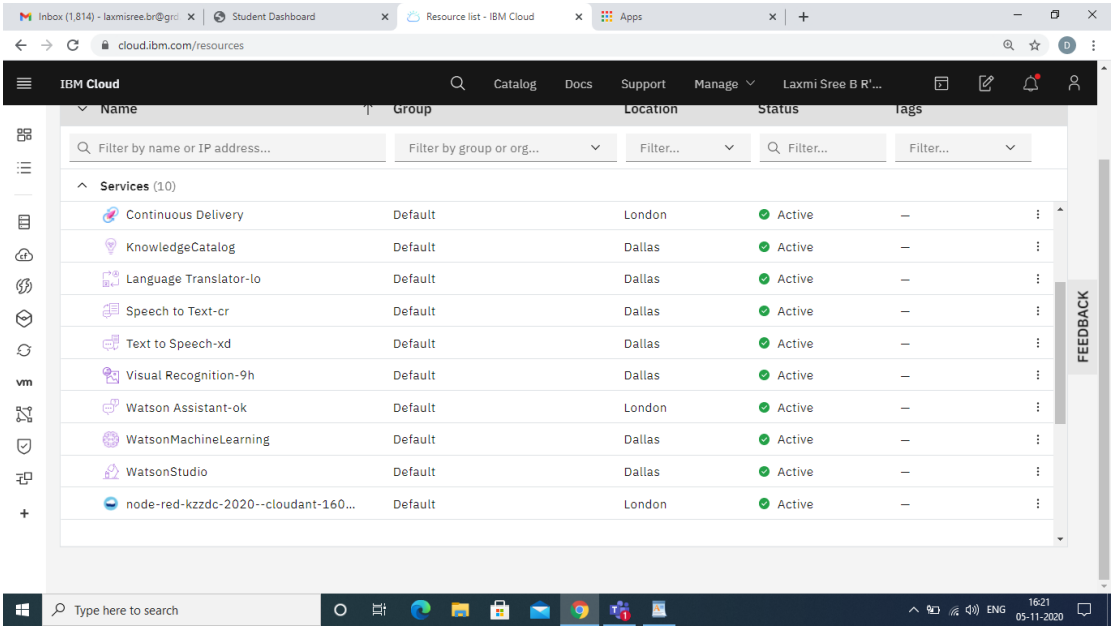
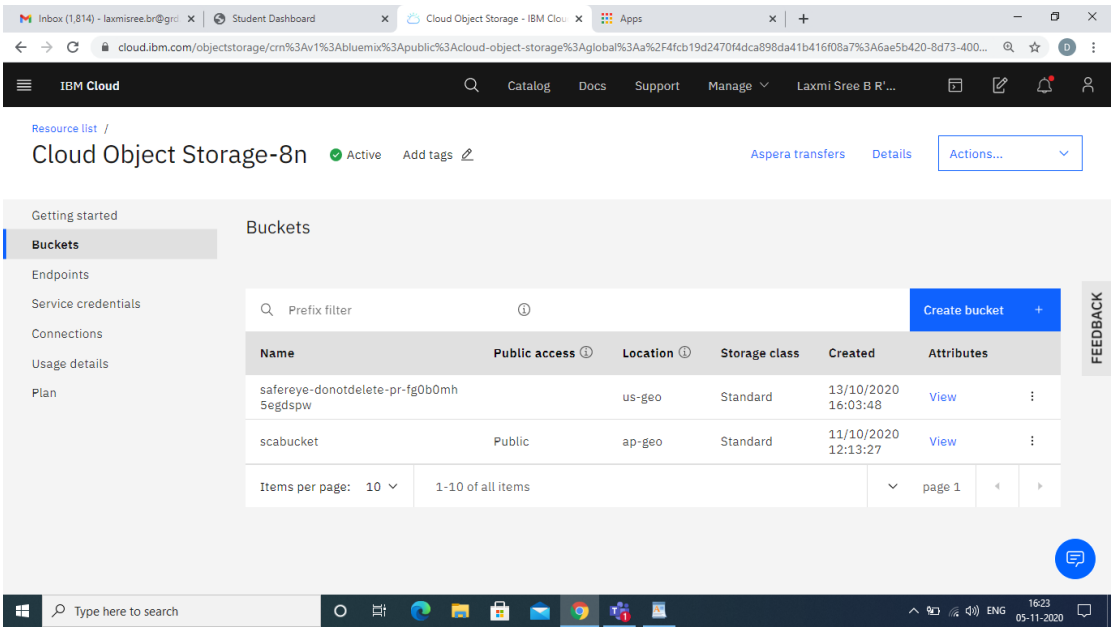
Project title: Intelligent Access Control System for Safety Critical Areas using IBM IoT Platform

By: B.R.Laxmi Sree

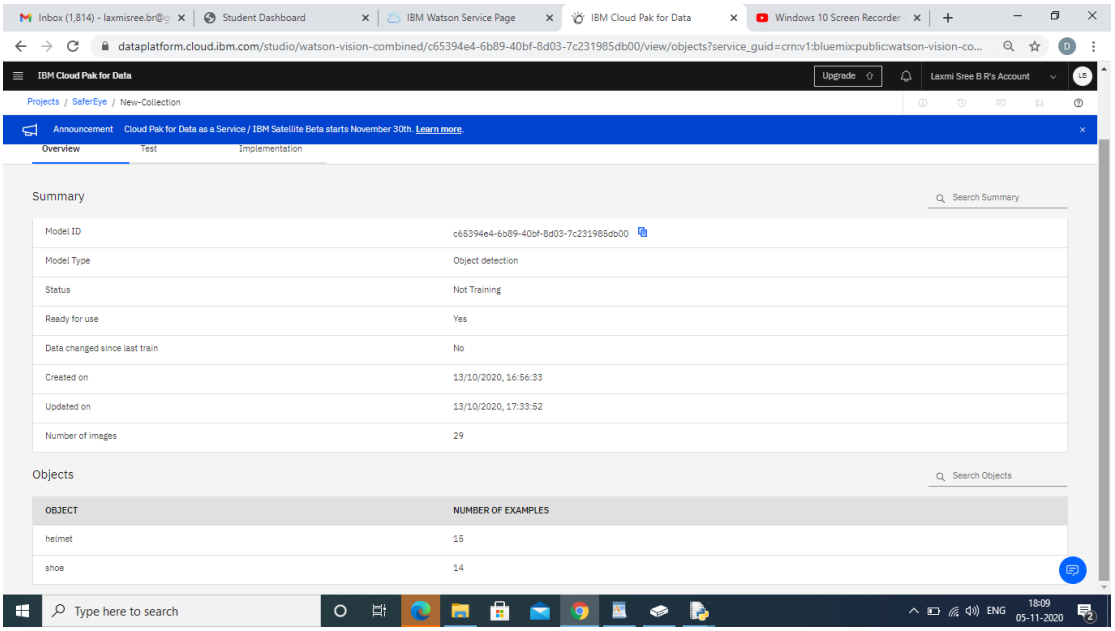
Screenshots

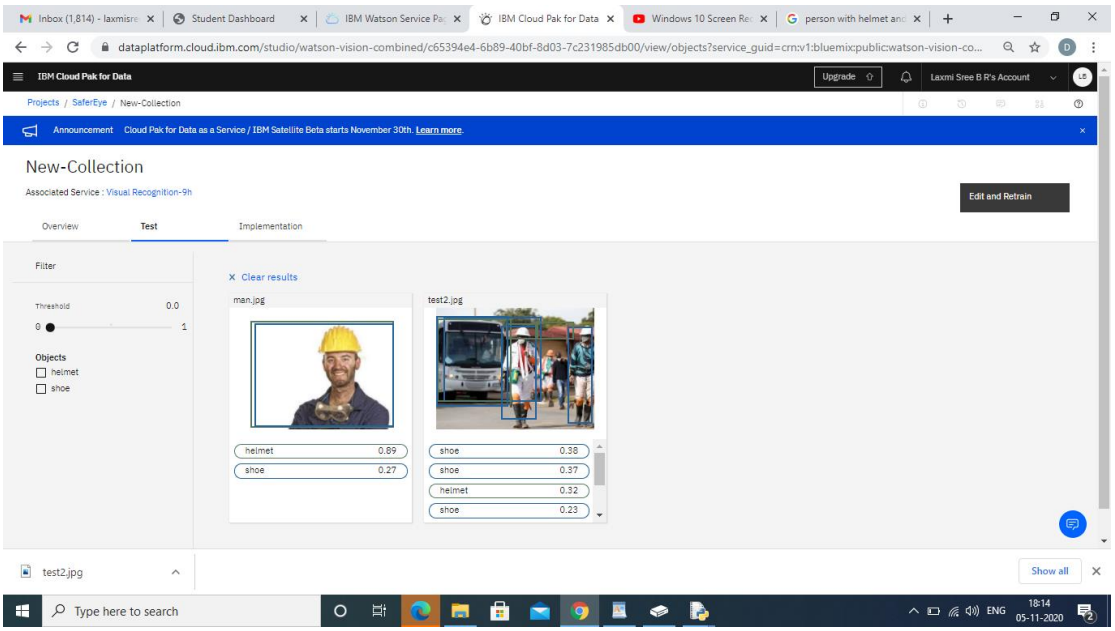
1. Created the required services IBM visual recognition service, text to speech service, node-RED service and bucket in COS.



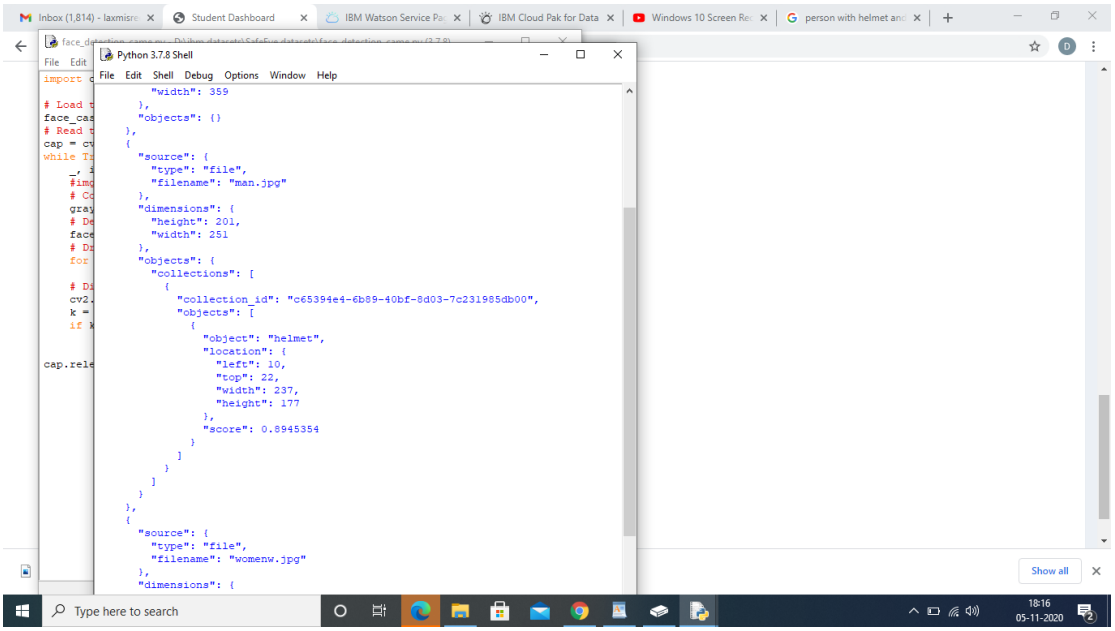


2. Visual recognition model trained to identify helmet and shoes:





3. Object detection output:

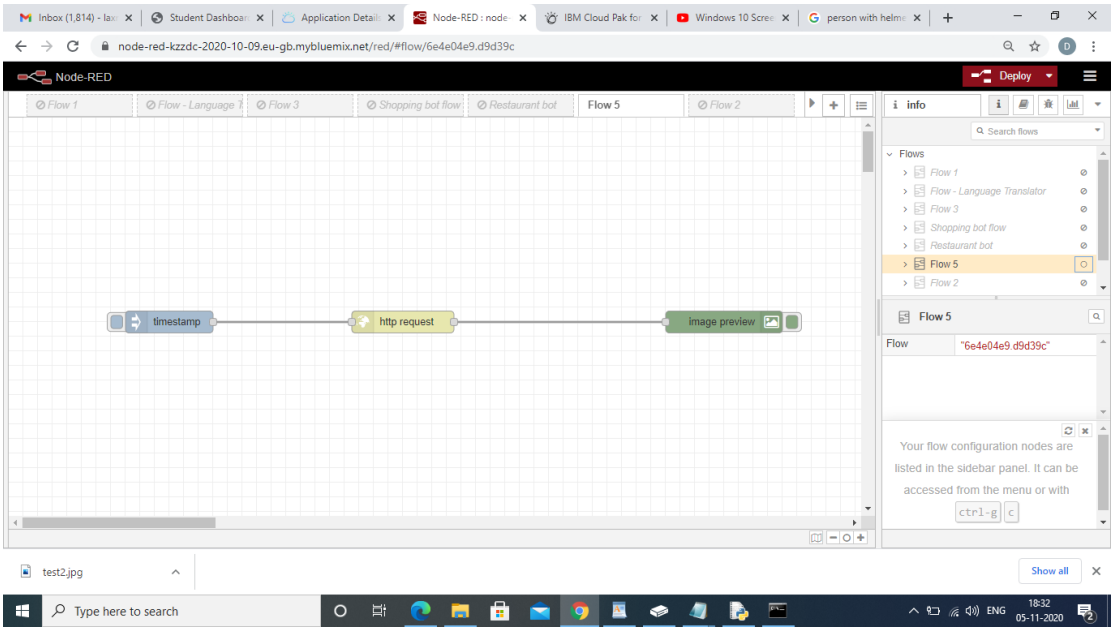


4. Code to upload images to IBM COS bucket: fileupload1.py

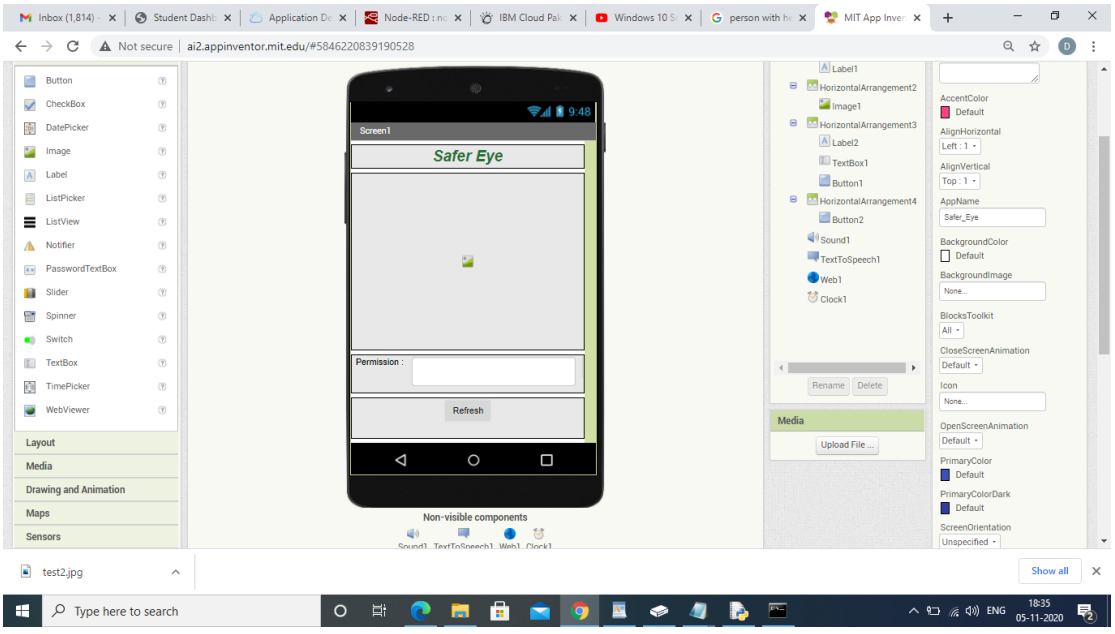
5. Text to speech code:

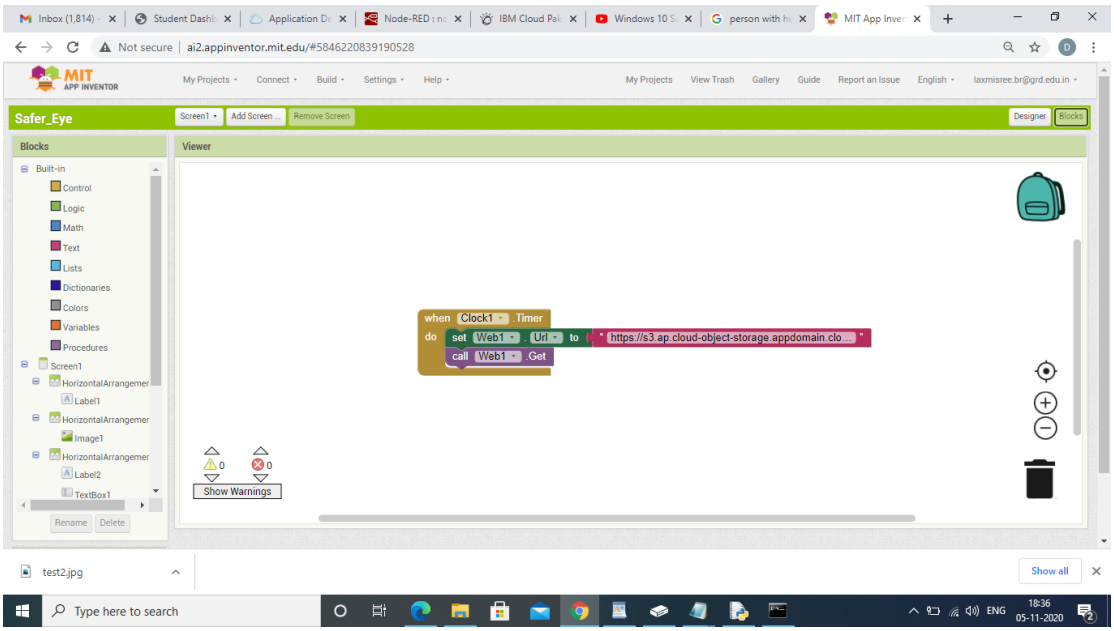
curl -X POST -u "apikey:3gtCYYU4BE3N22yuTOtWQ506s7JFN8NDyctnPCSzFWwG" --header "Content-Type: application/json" --header "Accept: audio/wav" --data "{\"text\":\"hello world\"}" --output hello_world.wav "https://api.us-south.text-to-speech.watson.cloud.ibm.com/instances/756ae10f-b4f8-4401-a9d2-431daf4ea5cc/v1/synthesize"

6. Node-RED flow status:



7. Status in design of mobile app in MIT App Inventor




Safer_Eye
Screen1
Add Screen ...
Remove Screen
Designer
Blocks
Viewer
Built-in
Control
Logic
Math
Text
Lists
Dictionaries
Colors
Variables
Procedures
Screen1
Label1
Image1
Label2
TextBox1
Rename
Delete
when Clock1 .Timer
do set Web1 Url to "https://s3.ap.cloud-object-storage.appdomain.clo...."
call Web1 .Get
Show Warnings
test2.jpg
Show all
Type here to search
ENG
18:36
05-11-2020