

Project Development-Delivery Sprint-2

Date	17 November 2022
Team ID	PNT2022TMID50062
Project Name	IOT Based Smart Crop Protection System For Agriculture

Python Code :

```
import os
from clarifai.rest import ClarifaiApp
from flask import Flask, request, render_template

myAI = ClarifaiApp(api_key=os.environ['CLARIFAI_API_KEY'])
app = Flask(__name__)

@app.route('/')
def index():
    return render_template('/index.html', len=0)

@app.route('/', methods=['POST'])
def search():
    if request.form['searchByConcept']:
        searchTerm = request.form['searchByConcept']
        searchResults = myAI.inputs.search_by_predicted_concepts(concept=searchTerm)
        return render_template('/index.html', len=len(searchResults),
searchResults=searchResults)
    elif request.form['searchByImage']:
        reflmage = request.form['searchByImage']
        searchResults = myAI.inputs.search_by_image(url=reflimage)
        return render_template('/index.html', len=len(searchResults),
searchResults=searchResults)

if __name__ == '__main__':
    app.run(host='0.0.0.0')
```