Back

Congrats Daniel! This project has been marked as completed.

Project Rating

★★★★☆

Teacher's Comment

"good"

-

Was this helpful?

Community Link

Publish to Community

Edit Your Project

Last Submitted

PRO-C104: NAME THE PLANETS Completed

In Class 104, You Learned How To Read, Process, And Save Images Using Opencv. In Today's Project, You Will Add The Names Of Planets To The Image.

Previous Submissions

9th Jan 2024 Open Link

Start Project

Goal of the Project:

In Class 104, you learned how to read, process, and save images using OpenCV. In today's project, you will add the names of planets to the image.

Submit Your Project

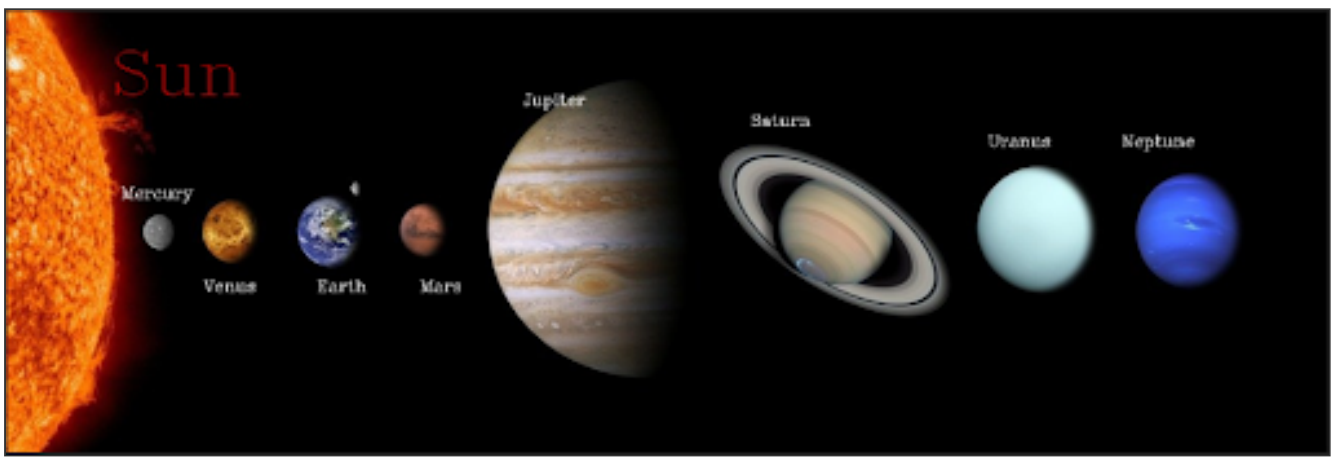
Learn how to submit your project

Paste your project URL

Submit Project

Story:

Your friend's younger sister Jane finds it hard to remember the names of the planets in the correct order. To help her you decided to create a poster of solar planets with the names. She can refer to it again and again to remember the names. You can use your coding skills to add names to the solar system provided using OpenCV.



Class Summary

This project is based on your last class PRO-C104

View Class Summary

*This is just for your reference. We expect you to apply your own creativity to the project.

Getting Started:

1. Create a folder as **Project104**
2. Open the folder **Project104** in **VSC**
3. Create a new file named **solar_planets.py**.
4. Download the image from here.

Specific Tasks to complete the Project:

1. **import cv2** in **solar_planets.py** file.
2. Use **cv2.imread("solar-system.jpg")** to read the image file and save in a variable named **img**.
3. Display the image using **cv2.imshow("output",img)**
4. Use **cv2.waitKey(0)**
5. Use **putText()** to add text below each planet.
    - Remember to add putText() for all planets separately. They should be before cv2.imshow()

Ask a doubt to your tea

HELP

```
cv2.putText(img,
            "Sun",
            (20,300),
            cv2.FONT_HERSHEY_COMPLEX,
            0.5,
            (255,255,255)
            )
```

6. Create a new **putText()** for each planet. Change the **text** and **position** for each.
    - Use the fonts and colors of your choice.
7. Run the code after each **putText()** to check the positions on the image.
8. Save the final image using **cv2.imwrite("Solar_systemwithname.jpg",img)**
9. Run the code.

Submitting the Project:

1. **SAVE** all the changes made to the project.
2. Click on **"Run"** once to check if it is working.
3. Open the GitHub create a repository named **Project104**
4. Upload files **solar_plantes.py & Solar_systemwithname.jpg** and click **Commit Changes**
5. Copy this link and submit it in the Student Dashboard Projects panel against the correct class number.

HELP