***Superior University***

**PAI Lab task 05**

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Roll No:

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Program:

**Artificial Intelligence**

Submitted to:

**Sir Rasikh**

**Explanation of OpenCV**:

1. **opencv-1.ipynb** – This Jupyter Notebook contains OpenCV functions for image processing. It includes operations like image loading, displaying, grayscale conversion, RGB channel splitting, and blending images.
2. **import.ipynb** – This seems to handle importing necessary libraries like OpenCV (cv2), NumPy, and Matplotlib for image processing and visualization.
3. **night\_sky.jpg, owl.jpg, owl\_gray.jpg** – These are image files used in the OpenCV notebook for applying different image processing techniques.