

DSA0210 Computer Vision with Open CV LAB Experiments

Experiment- 22: Insert water marking to the image using OpenCV.

PROGRAM:

```
import cv2
import matplotlib.pyplot as plt

# Read the input image
img = cv2.imread(r"D:\New Folder\input.jpeg")

# Check if image is loaded
if img is None:
    raise FileNotFoundError("Image not found. Check the file path.")

# Create a copy of the image
watermarked = img.copy()

# Define watermark text
text = "© Hospital MRI"

# Define position for watermark
position = (30, 50) # (x, y)

# Font settings
font = cv2.FONT_HERSHEY_SIMPLEX
font_scale = 1
color = (255, 255, 255) # White color (BGR)
thickness = 2
```

```
# Add watermark text
```

```
cv2.putText(  
    watermarked,  
    text,  
    position,  
    font,  
    font_scale,  
    color,  
    thickness,  
    cv2.LINE_AA  
)
```

```
# Display images
```

```
plt.figure(figsize=(8, 4))
```

```
plt.subplot(1, 2, 1)
```

```
plt.imshow(cv2.cvtColor(img, cv2.COLOR_BGR2RGB))
```

```
plt.title("Original Image")
```

```
plt.axis("off")
```

```
plt.subplot(1, 2, 2)
```

```
plt.imshow(cv2.cvtColor(watermarked, cv2.COLOR_BGR2RGB))
```

```
plt.title("Watermarked Image")
```

```
plt.axis("off")
```

```
plt.tight_layout()
```

```
plt.show()
```

OUTPUT:

