

## Afternoon session

Date - May 30

Course - Python

Topic - Build webcam motion  
detector

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Sem - IV Sem.

### Report:

Build webcam motion detection

Application

- \* It helps to detect image motion & video processing.

Detecting webcam objects -

```
import cv2, time
```

```
video = cv2.VideoCapture(0)
```

```
a = 0
```

```
while True:
```

```
    a = a + 1
```

```
    check, frame = video.read()
```

```
    gray = cv2.cvtColor(frame, cv2.COLOR_BGR2GRAY)
```

```
    cv2.imshow("Capturing", gray)
```

```
    key = cv2.waitKey(1)
```

```
    print(gray)
```

```
    if key == ord('q'):
```

```
        break
```

```
print(a)
```

```
video.release()
```

```
cv2.destroyAllWindows.
```

Capturing motion time -