

**6.2 Source Code:** A copy of the source code used to develop the Smart Surveillance System.

Requirements.txt

```
numpy>=1.18.2
scipy>=1.4.1
wget>=3.2
seaborn>=0.10.0
tensorflow==2.3.1
tensorflow-gpu==2.3.1
opencv-python==4.1.2.30
tqdm==4.43.0
pandas
awscli
urllib3
mss
Twilio
Streamlit
```

camfeed.py

```
# Import the required libraries
```

```
import numpy as np
```

```
import cv2
```

```
import time
```

```
import datetime
```

```
from collections import deque
```

```
# Set Window normal so we can resize it
```

```
# cv2.namedWindow('frame', cv2.WINDOW_NORMAL)
```

```
# Note the starting time
```

```
start_time = time.time()
```

```
# Initialize these variables for calculating FPS
```

```
fps = 0
```

```
frame_counter = 0
```