

PERFORMANCE TEST RESULTS:

The fps rate of apps while working over the webfeed without using threading , skip frame, resize techniques :

| | Video resolution 352 * 288 | Video resolution 640 * 480 | Video resolution 1280 * 720 |
|--|-------------------------------|-------------------------------|--------------------------------|
| Face recognition | 18 fps | ~10 fps | 3 fps |
| Sleep monitoring | 24 fps | ~ 14 fps | ~4 - 5 fps |
| Facial expression and gender classification | ~22 fps | ~ 10 fps | ~ 3 fps |
| Motion detection | 35 fps | 27 fps | 20fps |

The fps rate of apps while working over the webfeed with using threading , skip frame, resize techniques :

| | Video resolution 352 * 288 | Video resolution 640 * 480 | Video resolution 1280 * 720 |
|--|-------------------------------|-------------------------------|--------------------------------|
| Face recognition | ~55 fps | ~38 fps | ~17 fps |
| Sleep monitoring | ~78 fps | ~ 43 fps | ~24 fps |
| Facial expression and gender classification | ~50 fps | ~ 37 fps | ~ 19 fps |
| Motion detection | ~160 fps | ~98 fps | ~42 fps |

- This is tested over the webfeed only and varies for program running over the saved video feed as solution manly developed for webstream application