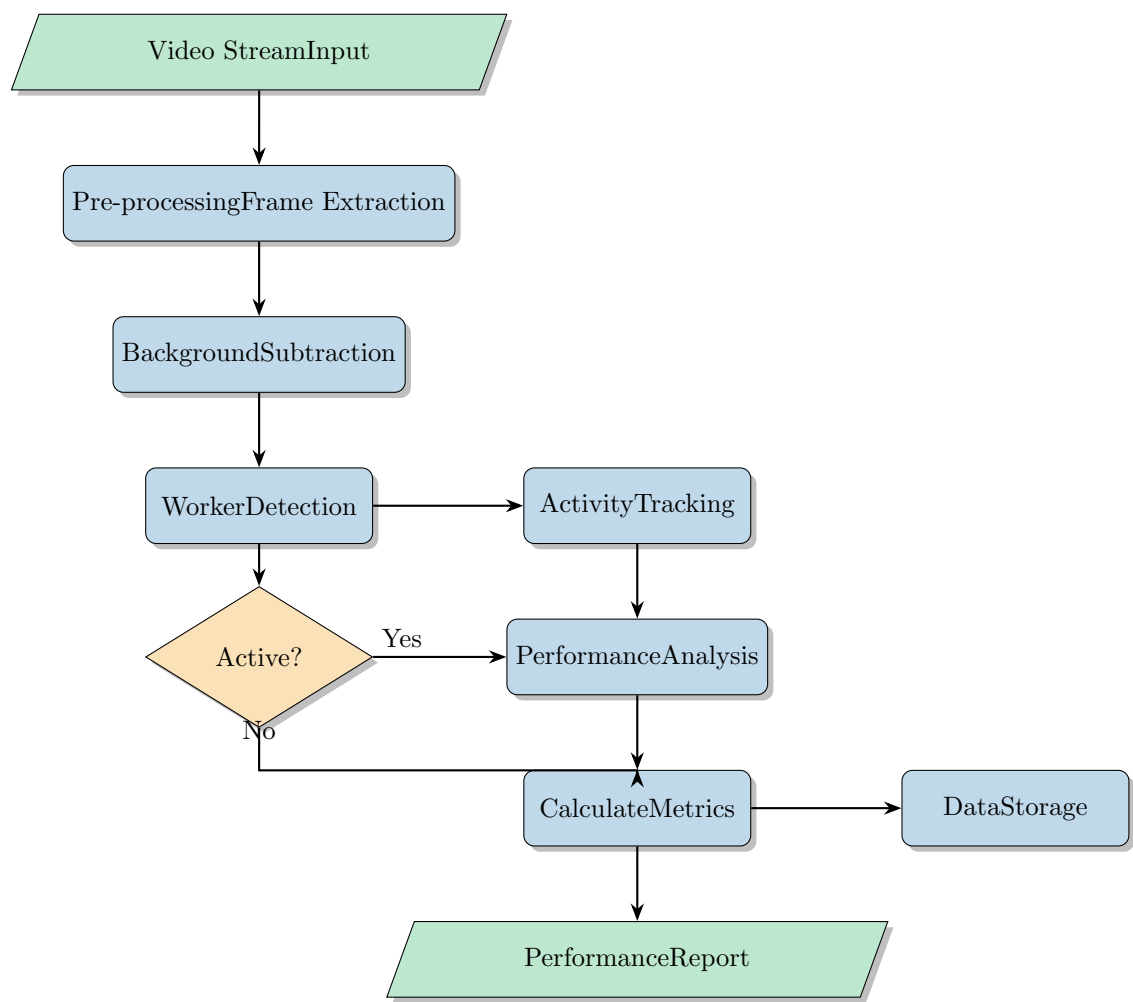


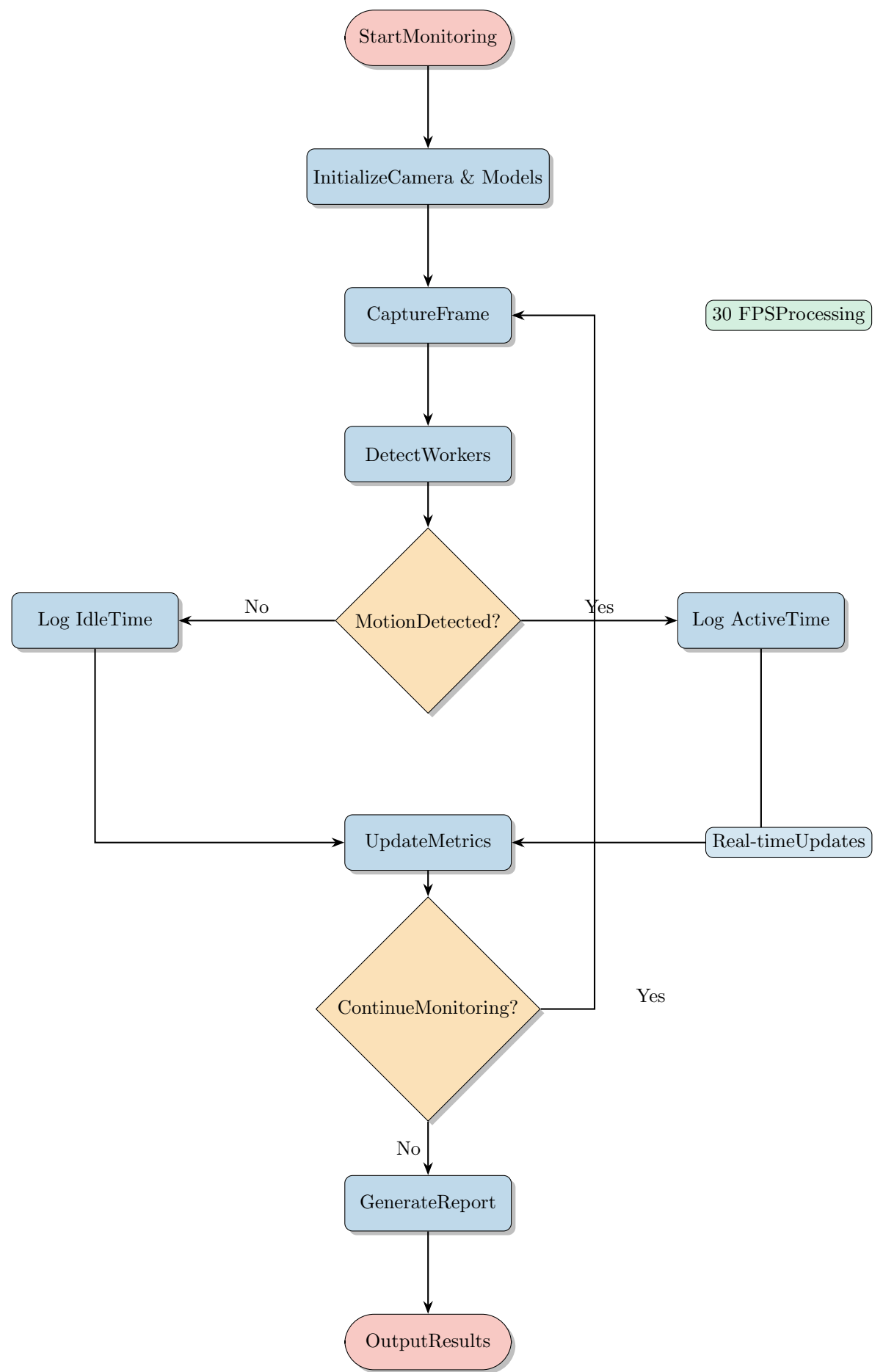
# Factory Worker AI Monitor - System Architecture



**Key Metrics:**

- Effective Working Hours
- Productivity Rate
- Performance Score
- Idle Time

# Real-Time Performance Monitoring Workflow

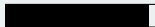


# Factory Performance Dashboard

**Worker A**

Performance: 95/100

Effective Hours: 0.88h



Excellent

**Worker B**

Performance: 88/100

Effective Hours: 0.80h



Excellent

**Worker C**

Performance: 79/100

Effective Hours: 0.73h



Good

**Worker D**

Performance: 68/100

Effective Hours: 0.63h



Average

**Worker E**

Performance: 92/100

Average Performance

84.4%

Total Productive Hours

3.89h

Productivity Rate

77.7%

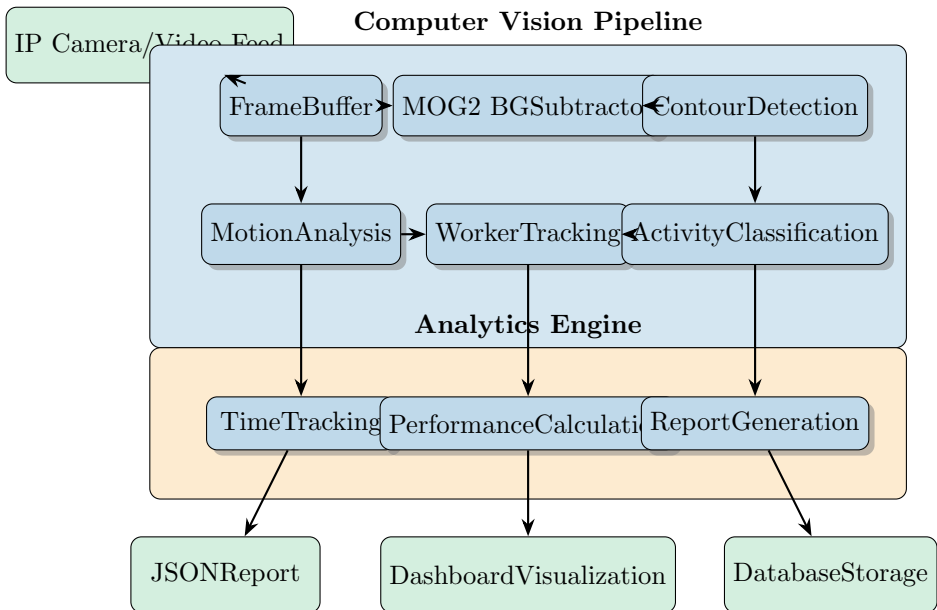
Excellent (85-100)

Average (50-69)

Good (70-84)

Needs Improvement (≤50)

# Technical Architecture & Data Flow



**Technologies:** OpenCV, NumPy, Python 3.x — **FPS:** 30 — **Resolution:** 1920×1080