

AI Monitoring System

API Documentation & CURL Commands

Base URL:	https://63dbade859b8.ngrok-free.app
Generated:	2025-07-25 16:09:19
Total Endpoints:	40
Success Rate:	100%
Protocol:	HTTPS via Ngrok

Core Endpoints

Root Endpoint

```
curl -X GET https://63dbade859b8.ngrok-free.app/
```

Health Check

```
curl -X GET https://63dbade859b8.ngrok-free.app/health
```

Dashboard Endpoints

Average Behavior Score

```
curl -X GET  
https://63dbade859b8.ngrok-free.app/api/dashboard/average-behavior-score
```

Top Branch

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/dashboard/top-branch
```

Productivity

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/dashboard/productivity
```

Underperforming Zones

```
curl -X GET  
https://63dbade859b8.ngrok-free.app/api/dashboard/underperforming-zones
```

Attendance Pattern

```
curl -X GET  
https://63dbade859b8.ngrok-free.app/api/dashboard/attendance-pattern
```

Performance Insight

```
curl -X GET  
https://63dbade859b8.ngrok-free.app/api/dashboard/performance-insight
```

Staff Performance

```
curl -X GET  
https://63dbade859b8.ngrok-free.app/api/dashboard/staff-performance
```

Top 5 Employees

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/dashboard/top-5-employees
```

Branch Performance

```
curl -X GET  
https://63dbade859b8.ngrok-free.app/api/dashboard/branch-performance
```

Recent Behaviors

```
curl -X GET  
https://63dbade859b8.ngrok-free.app/api/dashboard/recent-behaviors
```

Reports Endpoints

Incidents

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/reports/incidents
```

Incidents with Filters

```
curl -X GET "https://63dbade859b8.ngrok-free.app/api/reports/incidents?start_date=2025-07-01&end_date=2025-07-25&employee=Ahmed&zone=Camera_1"
```

Attendance

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/reports/attendance
```

Attendance with Filters

```
curl -X GET "https://63dbade859b8.ngrok-free.app/api/reports/attendance?start_date=2025-07-01&end_date=2025-07-25&employee=talha"
```

Violations

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/reports/violations
```

Violations with Filters

```
curl -X GET "https://63dbade859b8.ngrok-free.app/api/reports/violations?start_date=2025-07-01&end_date=2025-07-25&violation_type=NO-Mask&employee=Talha"
```

Productivity

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/reports/productivity
```

Employee Performance

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/reports/employee-performance
```

Safety Score

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/reports/safety-score
```

Custom Report

```
curl -X GET "https://63dbade859b8.ngrok-free.app/api/reports/custom?report_type=violations&start_date=2025-07-01&end_date=2025-07-25"
```

Schedule

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/reports/schedule
```

Export Report

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/reports/export/RPT_001?format=csv"
```

Analytics Endpoints

Behavior Trends

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/analytics/behavior-trends
```

Zone Analysis

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/analytics/zone-analysis
```

Time Patterns

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/analytics/time-patterns
```

Predictive Insights

```
curl -X GET  
https://63dbade859b8.ngrok-free.app/api/analytics/predictive-insights
```

Compliance Metrics

```
curl -X GET  
https://63dbade859b8.ngrok-free.app/api/analytics/compliance-metrics
```

Heat Map

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/analytics/heat-map
```

Productivity Analytics

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/analytics/productivity
```

Real-time

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/analytics/real-time
```

Predictive

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/analytics/predictive
```

Custom Analytics

```
curl -X GET "https://63dbade859b8.ngrok-free.app/api/analytics/custom?metric=violations.=7d&group;_by=employee"
```

Employee Management Endpoints

Get Employees List

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/employees/list
```

Get Employee Details

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/employees/ahmed
```

Get Employee Performance

```
curl -X GET  
https://63dbade859b8.ngrok-free.app/api/employees/ahmed/performance
```

Get Employee Violations

```
curl -X GET  
https://63dbade859b8.ngrok-free.app/api/employees/ahmed/violations
```

Get Employee Attendance

```
curl -X GET  
https://63dbade859b8.ngrok-free.app/api/employees/ahmed/attendance
```

Register New Employee

```
curl -X POST https://63dbade859b8.ngrok-free.app/api/employees/register \ -H  
"Content-Type: application/json" \ -d '{ "employee_id": "EMP_NEW", "name":  
"New Employee", "department": "Security", "position": "Guard" }'
```

Update Employee

```
curl -X PUT https://63dbade859b8.ngrok-free.app/api/employees/ahmed \ -H  
"Content-Type: application/json" \ -d '{ "name": "Updated Ahmed",  
"department": "Updated Security", "position": "Senior Guard" }'
```

Delete Employee

```
curl -X DELETE https://63dbade859b8.ngrok-free.app/api/employees/ahmed
```

Settings Endpoints

Get AI Sensitivity

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/settings/ai-sensitivity
```

Update AI Sensitivity

```
curl -X POST https://63dbade859b8.ngrok-free.app/api/settings/ai-sensitivity \
-H "Content-Type: application/json" \ -d '{ "detection_sensitivity": 0.75,
"violation_threshold": 0.80, "alert_frequency": 5 }'
```

Get System Settings

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/settings/system
```

Update System Settings

```
curl -X POST https://63dbade859b8.ngrok-free.app/api/settings/system \ -H
"Content-Type: application/json" \ -d '{ "monitoring_enabled": true,
"auto_alerts": true, "recording_enabled": true }'
```

Get Zones

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/settings/zones
```

Configure Zone

```
curl -X POST https://63dbade859b8.ngrok-free.app/api/settings/zones/zone1 \
-H "Content-Type: application/json" \ -d '{ "zone_name": "Production Area",
"monitoring_level": "high", "alerts_enabled": true }'
```

Get Backup Settings

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/settings/backup
```

Reset to Defaults

```
curl -X POST https://63dbade859b8.ngrok-free.app/api/settings/reset-defaults
```

Export Settings

```
curl -X GET https://63dbade859b8.ngrok-free.app/api/settings/export-settings
```