

**ENSC 427: Communication Networks**  
**Spring 2011:Final Project Presentation**

**Analysis of Video Surveillance  
over WiMax Networks**



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# Roadmap



- Introduction
- Implementation Details
- Simulation Scenarios
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# Introduction



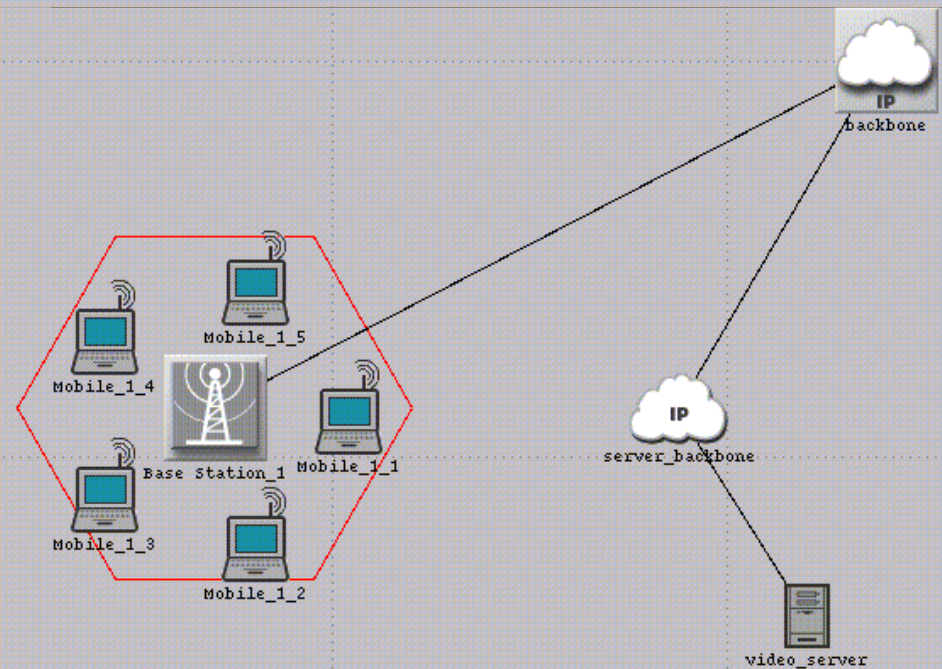
## ➤ Project Idea

Considering WiMAX for video surveillance

## ➤ Detractors from QoS

- Packet loss: number of packets dropped
- Delay: average time of transit
- Jitter: variation in packet arrival time
- Throughput: minimum end-to-end transmission rate

# Implementation Details



# Implementation Details



- Application/Profile Configuration
- WiMAX Configuration
- Deploying Wireless Network
- Server Configuration

# Simulation Scenarios



- Scenario I:

1 work station, 1 base station

- Scenario II:

5 work stations, 1 base station

- Scenario III:

1 work station, 1 base station (Uplink modulation scheme changed from 64 QAM to QPSK 3/4)

- Scenario IV

1 work station, 1 base station (Workstation distance increased from 1km to 30kms)

# References

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