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# SECURITY GUARD MONITORING SYSTEM

# ISSUES

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- ✘ “Private security guards who protect millions of lives and billions of dollars in real estate offer a false sense of security.” - Mimi Hall, USA Today
- ✘ “Private Security Guards Operate with Little Supervision.”- T. Christian Miller, Los Angeles Times

# PROBLEM STATEMENT

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- ✘ Radio communication and punch cards does not provide a real time security guard tracking solution.
- ✘ Most of security guards are unlicensed, untrained and not subject to background checks.
- ✘ Paper trail that traditional employee management mechanism leave is unreliable.

# SCOPE

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## × Web based Application

- + Enables Supervisors to track, monitor and manage their on field security guards in real-time at all times.
- + Enables on command center Security Guards to track on field security guards in real-time at all times.
- + Provide fast communication between a Command Center and on field Security Guards.

## × Pager-like Device

- + Sends the device location periodically to a server.
- + Capable of receiving text message and send numeric code messages.

## × System Limitations

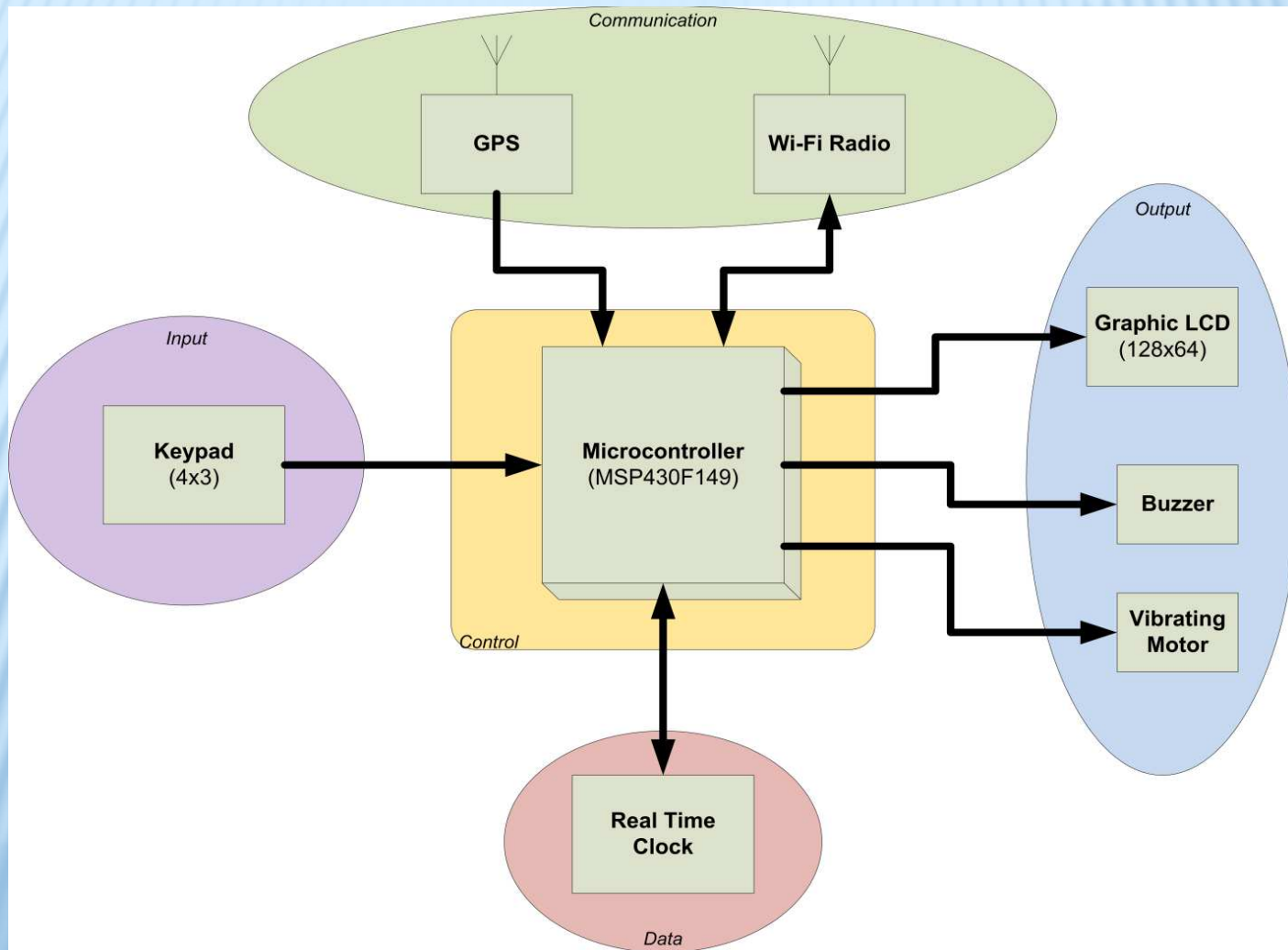
- + SGMS does not intend to replace radio communication
- + SGMS is not intended for payroll purposes

# OBJECTIVES

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- ✘ Provide an initial prototype of both hardware and software components and all technical documentation related by March 26, 2008.
- ✘ Provide a complete prototype with all stipulated components and user manual of the system by May 2, 2008.
  - + Not exceed \$600 on the cost of hardware components for the prototype.

# BLOCK DIAGRAM



# DELIVERABLES

2/13/08

- Project Proposal and Presentation I

3/26/08

- Progress Report and Presentation II

4/25/08

- Hardware Prototype

4/25/08

- Software Prototype

5/2/08

- User Manual

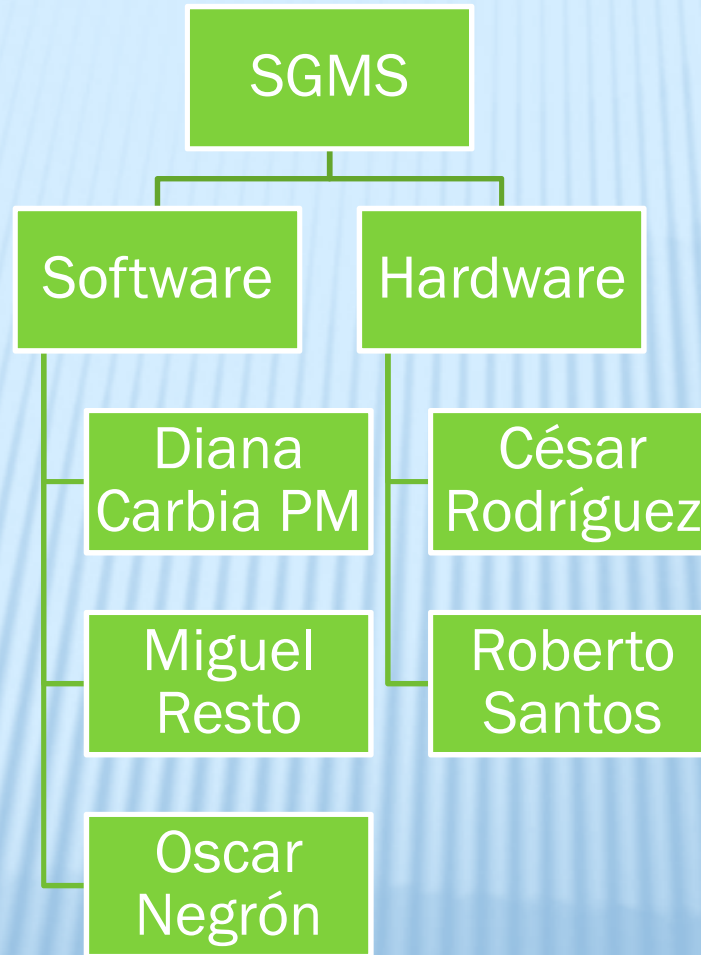
5/2/08

- Final Report

5/2/08

- Final Project Presentation

# TEAM ORGANIZATION





# BUDGET

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## Overall Cost

Category	Cost
<i>Total Employment Cost</i>	\$66,582.34
<i>Total Hardware Cost</i>	\$356.97
<i>Total Software Cost</i>	\$297.00
<i>Project Cost</i>	\$67,236.31
<i>80% Overhead</i>	\$53,789.04
<b><i>Total Project Cost</i></b>	<b>\$121,025.35</b>

# RISKS AND CONTINGENCY PLAN

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- ✘ *Conflict between team members*
- ✘ *Customer cannot attend meetings*
- ✘ *One or more of the team members leaves the group*
- ✘ *Computer crash*

# PROJECT IMPACTS

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## ✘ Legal Considerations

- + Telecommunication Components have to be FCC compliant
- + Security Guard Privacy

## ✘ Environmental Issues

- + Restriction of Hazardous Substances Directive
  - ✘ The use of lead is poisonous in small amounts
  - ✘ Non biodegradable material
  - ✘ Expensive for deposition

# CONCLUSION

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- ✘ Provide help to security guard companies
  - + Unify different security tasks
  - + Improve security guards' productivity
- ✘ The system will give confidence to people
  - + People confidence is the key for security guard companies to succeed in their mission
  - + It prevents security guards from committing fraud, and help them feel secure on field.

# Questions

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