

Final Presentation

Information System for Convention Center



J3 Innovations:

Josué Matías García
 Juan Díaz Santana
 José Lugo Picó

Capstone - ICOM 5047




Team Members

- **Josué Matías García**
 - Project Manager, Software and Hardware Engineer
- **Juan M Díaz Santana**
 - Web Developer, Software and Hardware Engineer
- **José Lugo Picó**
 - Database Manager, Software and Hardware Engineer



Outline

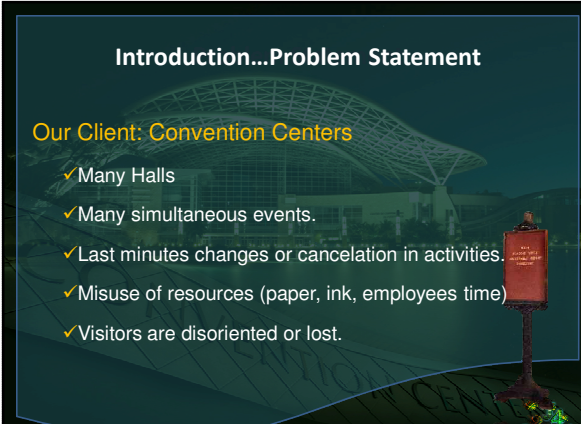

- ✓ Problem Statement
- ✓ Our Solution
- ✓ Deliverables
- ✓ Project Budget
- ✓ Risks
- ✓ Demo Video
- ✓ Conclusion and Future Work
- ✓ Acknowledgements
- ✓ Questions



Introduction...Problem Statement


Our Client: Convention Centers

- ✓ Many Halls
- ✓ Many simultaneous events.
- ✓ Last minutes changes or cancelation in activities.
- ✓ Misuse of resources (paper, ink, employees time)
- ✓ Visitors are disoriented or lost.

J3 Solution

- ✓ Wireless display devices
- ✓ Webpage with dynamic event information.
- ✓ Application to manage events and devices.
- ✓ Online Database.
- ✓ This will:
 - Provide attendees with greater satisfaction.
 - Save the administration time, effort and money.



Software Solution

ISCC Main Application

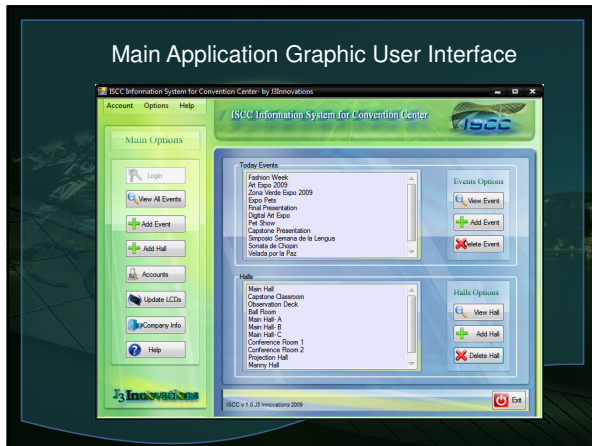
Development:

- ✓ Microsoft Visual Studio E.E.
- ✓ C#

Features:

- ✓ Add/Delete/Edit Users, Halls, and Events
- ✓ Enter and edit Convention Center information
- ✓ Send information to display devices
- ✓ Information stored to online Database
- ✓ Help: Link to User Manual
- ✓ Others





Software Solution ISCC Web Application

Development:

- ✓ Asp.NET framework
- ✓ C# Code behind
- ✓ Ajax Controls

Advantages:

- Reliable
- Real Time
- Accurate Information
- Remote Accessibility

Features

- ✓ Display Activity information via Web
- ✓ Activity
- ✓ Date / Hour
- ✓ Hall number (Location)
- ✓ Presenter
- ✓ Additional Information
- ✓ Contact Information

Search

- ✓ Activity search by Name, Date, or Hall.

Contact Us form

www.j4iscc.com

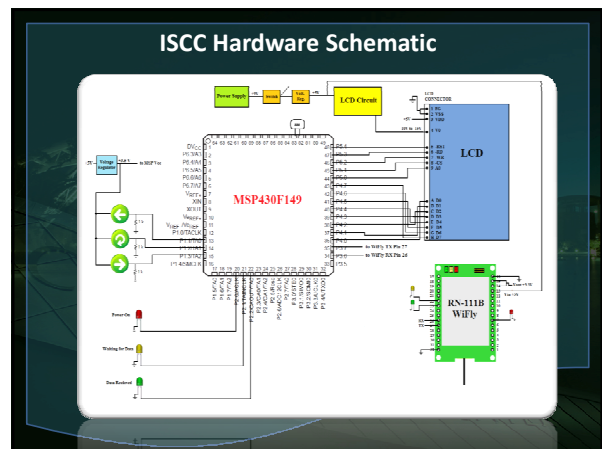


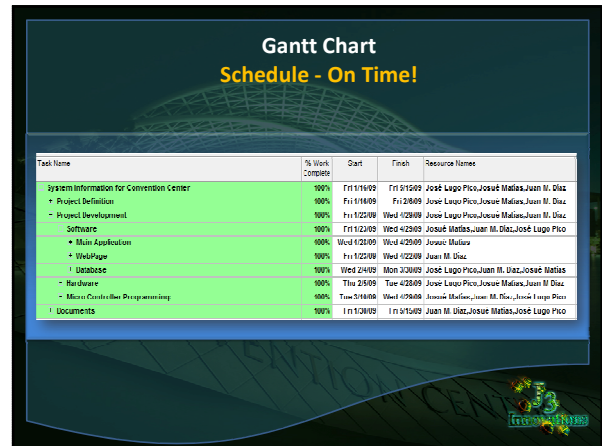
Database Design

- ✓ The database was designed using Microsoft's Sequel Server Express
- ✓ The database is hosted online and it is accessed by both the ISCC Main application and ISCC Website.
- ✓ **Database contains:**
 - ✓ Users information
 - ✓ Events information
 - ✓ Halls information
 - ✓ Company details

ISCC Hardware

- ✓ **Features:**
 - ✓ Display List of Events
 - ✓ Display Event Information
 - ✓ Wireless Communication
 - ✓ Real Time Clock
 - ✓ Navigation Buttons
 - ✓ Reset and Power Buttons
 - ✓ Status LEDs
 - ✓ Compact and easy to install.





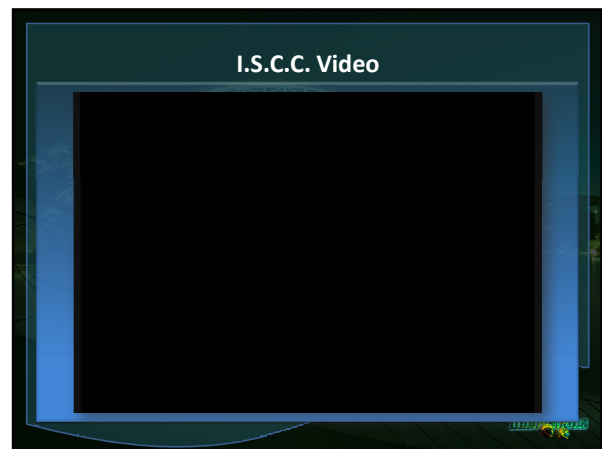
Project Budget

✓ Proposed Budget		✓ Actual Budget	
Category	Cost	Category	Cost
Personnel	\$23,205.00	Personnel	\$11,550.00
Software	\$0.00	Software	\$0.00
Hardware	\$770.00	Hardware	\$752.40
Miscellaneous	\$69.75	Miscellaneous	\$69.75
Project Cost	\$24,034.75	Project Cost	\$12,372.15
75% Overhead	\$18,026.06	115% Overhead	\$14,227.98
Total Cost	\$42,070.81	Total Cost	\$26,697.15

Risk Materialized

- ✓ Risk Materialized:
 - ✓ One team member fails in his/her tasks, or quits.
- ✓ Risk Management:
 - ✓ Redistribution of tasks. All three members worked on Hardware. Accelerate software tasks to focus mainly on hardware.

- ### Deliverables
- ✓ Functional prototype of the hardware device
 - ✓ Administration Software
 - ✓ Information System Website
 - ✓ Proposal, progress, and final reports
 - ✓ Test Documents
 - ✓ Software and Hardware User Manuals



Conclusion

- ✓ Our product was finished on time and fully functional with all of the proposed features.
- ✓ We learned to work better as a team and manage risk during the development of the project.
- ✓ Better understanding of hardware components.
- ✓ Future Work: Color Display, compact, power saving mode.



Acknowledgments

- ✓ Capstone Professors and TAs:
 - ✓ Nayda Santiago
 - ✓ Fernando Vega
 - ✓ Manuel Rodriguez
- ✓ Jose Javier Rodriguez (Dices)
- ✓ Other Capstone Teams who helped us in any way.



Questions

