

# Student Records Management

A Presentation to Dep Ed Region VII

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# The Challenge to Schools

- The task is difficult ...
  - Many different types of information to manage
  - Historical information, not just current status
  - Need to consolidate at the school, Division, Regional, National levels
- The resources are small ...
  - Teachers' time is limited and School Administrators have many priorities
  - Resources for computer infrastructure are limited

# Student Records Management

- Scope of the project
- Design specifics
- Demo
- Features and benefits
- Next steps

# Scope of the Project

- Student Data:
  - Personal information
  - School history
  - Enrollment information (present and past)
  - Special events and activities
  - Grades
  - Attendance

# Scope of the Project

- Institutional Data:
  - Classes
  - School information
  - Municipality/barangay information
  - Information about teachers/administrators

# Scope of the Project

- Focused on high schools, but the same approach could be extended to elementary schools

# Design Specifics

- Uses Open Source software
  - Can be changed as policies evolve
  - Free and legal
- Internet based (Google Apps database)
- Flexible design allows for future enhancements

# Features and Benefits

- No centralized infrastructure needed for data
  - No servers or server maintenance required
  - Scales almost indefinitely
- Software is managed centrally for ease of upgrade and maintenance
- School needs internet but no other expensive software or servers
- Google offers some free disk storage space with a fee for additional space (P 7 / month for 20,000 students)

# Features and Benefits

- Data safety
  - At least three copies automatically saved, in at least two different geographic locations
- Data security
  - Multiple classes of users, with control of permitted actions and permitted data for each
  - Access permissions defined by school head or their delegate
  - Password protected with automatic log-out after period of inactivity

# Features and Benefits

- Information consolidation
  - Data immediately available as it is entered
  - Unified database structure makes data consolidation very easy
  - Summaries can be easily generated at school, Division, Regional, National level
- Flexibility
  - Data can be imported from and exported to spreadsheets
  - Reports can be created in printer ready PDF format

# Status of the Project

- Development still underway
- Basic data structures in place
- Initial web site with functional interface active
- Sample data loaded from current CNHS database and national municipality and barangay list

# Demonstration

- Login as teacher
  - Edit Student Record
  - Create Teacher Record
  - Edit Class Record
  - Create Test Record
- Login as student
  - Enter Attendance for Section

# Next Steps

- User requirements, input, and feedback are essential to meet the needs of the Regional and Division offices

# Next Steps

- May we ask for the following help in order to continue this project?
  - An IT point-of-contact in the Regional office to help with requirements and to answer questions
  - Points-of-contact with two school test sites to get feedback on usability and needs