IPRO 338 Project Plan

Web Application for Electrical Contractors for LEED Building Projects

Advisor: Dan Tomal

Sponsor: Electrical Contractors' Association of the City of Chicago

Team:

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Team Identity:

The Green Web Engineers

Creating a green resource website for the ECA

Objectives:

The purpose of this IPRO is to develop a website to host a user-friendly online database of green technologies information for the Electrical Contractors' Association of the City of Chicago. This website will involve providing data on green electrical products with cut sheets, pricing and distributor information, return on investment projections, and LEED certification facts. The use of this website should help create a well informed transition from industry standard electrical products, to green alternative products, as well as cut down on miscommunication between architects and electrical contractors.

Background:

The specifications for electrical products are commonly selected by the architects, clients, or general contractors, and typically done without the consultation of electrical contractors. This creates an information gap between the design and construction personnel, which in turn causes many construction redundancies. As of right now, data on green technologies are scattered throughout the internet, without a common source to organize the information in one easy-to-use database.

Team Values Statement:

The expectations of all group members are to show up on time to class meetings, provide input into discussions, and complete assigned projects in a timely manner.

To ensure proper conduct in this manner any qualms will be discussed at our weekly meetings in order to minimize any conflicts.

Methodology:

Several members of the IPRO are tasked with researching current green technologies that are available, as well as the distributors of these products.

Once the information is gathered, technical team will work on developing and editing the website. It will be up to the research team and technical team to ensure that the website is user-friendly, visually appealing, displays the desired information, and is smart phone accessible. The teams will also update the website based on the results of our contractor survey.

The communication team will speak to electrical contractors in the field, in order to gain any additional information or user feedback that will assist in the articulation of the website.

Expected Results:

This IPRO will result in an online utility that assist Chicago's transition to becoming the greenest city in the country, as well as helping to reduce the communication divide between designers and the labor force.

Project Budget:

This IPRO will require presentation materials for IPRO day, which will be funded by the ECA. In addition to that, this IPRO will be starting a student organization of NECA which will have a chapter initiation. This event will be funded by IPRO office, NECA and the student activities fund, with an estimated cost of $500. We will also be taking a trip to the Museum of Science and Industry to visit their Green Building, with an estimated cost of $150. Aside from that, every attempt to use the resources of IIT labs will be made.

Task and Milestones:

Currently, the main task of the team as a whole is constructing a user friendly resourceful website and completing research on green technologies.

Individual Team Member Assignments:

Name	Major/Minor	Skills	Strengths	Experience and Academic Interests	Team	Why they are on this team?	Assignments so far
Akbany, Omair	Computer Engineering	Programming	Computers/ Programming	Programmer for STATS LLC.	Tech Team	Web design	Website support
Asher, Michael	INTM	Electrical Engineering practices	Experience	IBEW local 143	NECA Project, Communication	Skills in web design	Set up web server
Aulfata, Muluken	Electrical Engineering	Elec. Eng, Programming	Practical Knowledge	Hybrid Car, wiring for ACE	Research Team, Secretary	Enjoy researching	Meeting Minutes, Agenda
Bennett, Casey	Computer Science	Web Design, Programming PHP	Computer Use	PHP apps for IPRO Dept.	Tech Team	Web design skills	Update web site
Day, Michael	Architecture	AutoCAD, Adobe CS3, 3DMax	Hardworking	Architectural work experience	Research Team	Experience with LEED in ARC	Research in LEED practices
Kim, Woochan	Electrical Engineering	MOUS Master Level Certificate	Fast Learner	How electrical devices work	Research Team	To get practical experience	Research lighting
Park, Minah	Architecture	Adobe CS3, AutoCAD, MS office	Hardworking	Architectural field work	Research Team	Experience with LEED in architecture	Research for LEED
Shaffer, Dan	Electrical Engineering	Leadership, Electrical Engineering	Experience Running Events	House Manager and Vice President	Team Leader	All Teams	Project Plan
Yeseul, Lee	Chemistry	MS Office	Non-EE reference	Research	Research Team	Research experience	Research for LEED
Zajac, Gregory	Electrical Computer Engineering	Computer work	Detail oriented	Further green technologies	Communication Co-Leader	Guide group, connect with NECA	Contact with NECA

Designation of Roles:

Team Leader
This member is responsible for creating an agenda for each team meeting.
This provides structure to the meetings and offers a productive environment.
Members: Shaffer, Dan

Minute Taker
This member is in charge of recording decisions made during meetings including task
assignments or changes under consideration.
Members: Aulfata, Muluken

Weekly Timesheet collector/Summarizer
This member is responsible for collecting weekly timesheets from each member of
the team and updating everyone with a summary report.
 Members: Shaffer, Dan

Research Team
These members are in charge of researching everything having to with LEED and
green technologies.
Members: Day, Michael
              Aulfata, Muluken
              Kim, Woochan
              Yeseul, Lee
              Park, Minah

Tech Team
 These members are in charge of updating and doing the coding for the website.
 Members: Akbany, Omair
              Bennett, Casey

Communications Team
 These members are in charge of communicating with NECA.
 Members: Zajac, Gregory
              Asher, Michael

NECA Organizer
 This member is responsible for starting the NECA student organization.
 Members: Asher, Michael