

IPRO 320 – Summer 2006 Midterm Report

Thus far, team members have begun research in the following areas:

- A. Commissioning (background information & case studies).
- B. Retro-commissioning.
- C. Energy Auditing.
- D. Equipment to gather data.
- E. Energy sources & utility rate structures.

The group decided on the instrument to be purchased and used for the data collection of the IIT buildings. A complete description will be included in the final report. Members of the group are currently making a device to be placed over diffusers for accurate data gathering.

Team members are currently collecting data of various buildings on the IIT campus. The data collection include the following:

- A. Temperature
- B. Relative Humidity

The data collectors are also noting whether the building has a specific “feel” to it, i.e. “too hot”, “too cold”, etc. Group members are then putting the data found on a print-out map of the building itself. The data is also being uploading on an excel spreadsheet for future analysis procedures.

In the upcoming weeks, the following tasks will be completed:

- A. Complete device for diffuser data gathering.
- B. Analysis of data collected.
- C. Research on energy sources & utility rate structures.

In addition, the final report & presentation will be completed.