

## Problem Statement

The goal of IPRO 311 is to improve Illinois Institute of Technology's image in relation to sustainability and green practices as a physical campus and institution. Through research into the historical contributions and achievements by the university as well as offering ideas for greener technology, awareness of IIT's commitment to sustainability can be created.

## Objectives

- ✓ Research archives to find out what IIT has done in its past to become more sustainable
- ✓ Research archives to find out what IIT has invented, discovered and other accomplishments
- ✓ Create a finished product to display the information found in research
- ✓ Work with campus facilities dept. to implement quick improvements on campus
- ✓ Create a proposal with different improvements that the campus should work towards
- ✓ Propose a Sustainability Park that would display different green technologies



## Background

The Illinois Institute of Technology has been on the cutting edge of innovation, especially in relation to architecture. However, IIT has struggled to achieve a sustainable image. The university recently received a "D" on the college sustainability report card. Our preceding IPRO teams have compiled plans for branding IIT a sustainable organization and created a design manual. The current IPRO team is building off these ideas and working to get them implemented on the campus soon.

## Obstacles

- Disorganized Archive databases
- Contacting proper Administration
- Pre-existing campus plans
- Obtaining cooperation with campus
- Resource & Fund Availability

## Spring '09 Contributors

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### Special Thanks

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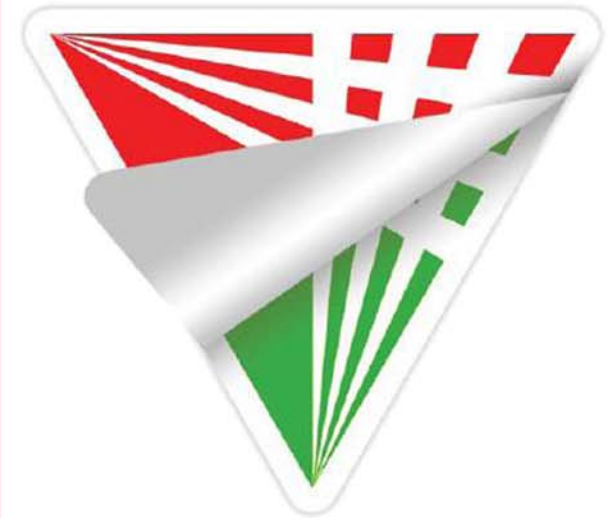
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IPRO<sub>311</sub>

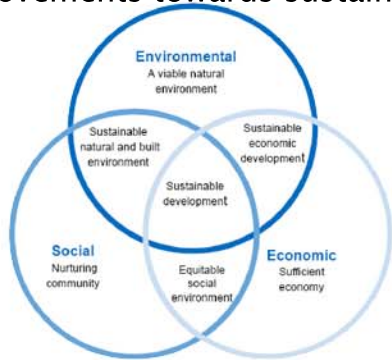
**SUSTAINABLE BRANDING**  
*Establishing a Reputation...*



ILLINOIS INSTITUTE  
OF TECHNOLOGY

# Sustainability

The pieces that go into the idea of sustainability involve environmental, economical and social perspectives. Together, when the three perspectives are properly balanced, implemented and incorporated with the triple bottom line (people, planet, profits), the efficiency of a unit increases and the dependence on external entities decreases. This particular IPRO focuses on the environmental improvements towards sustainability.



# The Project

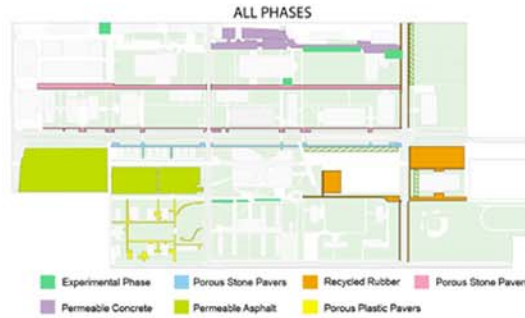
## Rain Sprinkler Sensors

A rain sensor project is one that can potentially lead to an immediate environmental and economical impact. Rain sensors, which would replace an outdated timer system, would prevent the sprinklers from being used during rain periods and perhaps when water is not needed.



# The Project (cont'd)

## Permeable Paving



The use of permeable pavements helps reduce the run off volume experienced during storming. A growing issue on campus is the collection of water on sidewalks and other paths. This map illustrates the types of pavement and where they would be most effective.

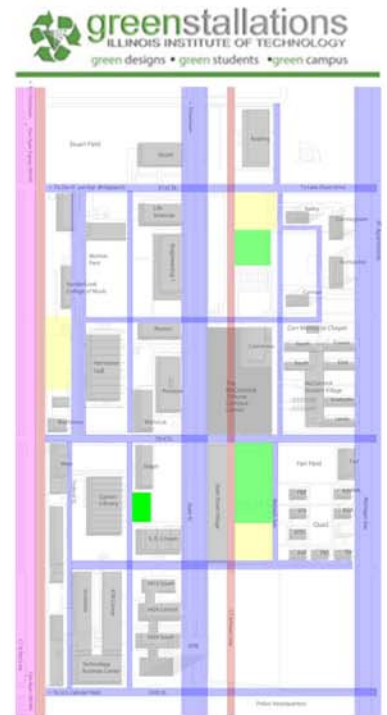
## History



Rigorous research of IIT Archives and Press Releases allowed our IPRO to discover great things about IIT's history, information that would be otherwise unknown. What we found helps build on IIT reputation as a beneficial contributor to the economy, community and environment. Our findings have been compiled in a book.

# The Project (cont'd)

## Master plan



This Master Plan is composed of all systems ("Greeninstallations") researched in our IPRO. In addition to our Plan, we have developed a "Sustain-your-ability" booklet which illustrates our systems along with measures one can take to achieve a higher quality of living.

A "Sustainability Park" that physically incorporates all sustainable systems would be developed on site for educational and campus engagement purposes.