Group Members

	Michael Utz mutz@iu.edu For this project I am most interested in developing software with power constraints since I am used to developing with speed in mind instead. I think this will force me to think in a more considerate way different from how I have before.
	Ethan Meyers etmeyers@iu.edu My name is Ethan and I am a junior majoring in Computer Science and specializing in Software Engineering and Systems. Currently I am trying to break into the defense industry so while my resume suggests I am more suited to an application layer, I am super excited to be able to add experience in physical systems to it as well. When I am not programming for my classes I am playing Ultimate Frisbee as I play for the IU Club team.

Problem Statement: What is the problem that needs to be addressed by the embedded system being designed?

In this project we are required to develop an embedded light sensor for the Hoosier National Forest to apply for International Dark Sky Park Designation. We will need to design, develop, test, and deploy our system to both verify and validate it such that it may be used in a cost effective way.

What are the objectives of the system ?

This system must accurately read the light in a given area while being both low power and collecting enough data to be able to create a comprehensive understanding of the environmental impact of the light over the given area.

Group concerns

Both of us worry most about the hardware side being Computer Science majors. We have touched into some of this but without a level of hand holding this would be an impossibility for us. Through our collective ability we have faith in getting it done this semester but it is something we are excited about and up to the challenge of learning!