

BACKGROUND

I PRO 332 IS IN ITS SIXTH AND CONCLUDING SEMESTER AND HAS BECOME A WELL ESTABLISHED PROJECT. THE STRONG WORK OF PREVIOUS SEMESTERS' TEAMS HAS GIVEN THE CURRENT TEAM A GOOD BASE TO START FROM IN FURTHERING OUR GOAL OF ENERGY CONSUMPTION.

THIS SEMESTER THE GOALS WERE TO EXPAND UPON THE MODULES THAT HAVE ALREADY BEEN MADE, EXPLORE THE CREATION OF A NEW MODULE AND MARKET OUR MODULES WITHIN THE COMMUNITY.



PROBLEM

THERE IS A LACK OF AWARENESS OF THE ENERGY AND ENVIRONMENTAL ISSUES FACING OUR WORLD TODAY. EDUCATION IS THE FIRST STEP, BUT TEACHERS DO NOT HAVE TIME TO CREATE TEACHING MODULES FOR THEIR STUDENTS.



OBJECTIVES

- GENERATE A TEACHING MODULE THAT COVERS THE SCIENCE AND TECHNOLOGY USED IN A ZERO ENERGY HOME.
- REVISE EXISTING TEACHING MODULES.
- MAKE TEACHING MODULES AVAILABLE THROUGH THE TEACHER KNOWLEDGE SHARE WEBSITE.
- RAISE AWARENESS ON SUSTAINABILITY ISSUES AT LOCAL EVENTS.
- ESTABLISH AN AFTER SCHOOL PROGRAM.
- OBTAIN ENDORSEMENT FROM:
 - IIT COMMUNITY OUTREACH
 - MATH AND SCIENCE EDUCATION DEPARTMENT
 - OFFICE OF CAMPUS ENERGY AND SUSTIANABILITY

ISSUES ADDRESSED

1. DO WE NEED ANOTHER MODULE TO EXPAND THE MATERIAL AND INTRODUCE NEW INFORMATION ON SUSTAINABILITY?
2. WHAT IS OUR MARKETING STRATEGY TO ATTRACT A LARGER AUDIENCE?
3. HOW CAN THIS INFORMATION BE PRESENTED IN AN INTERESTING WAY, WHILE STILL BEING INTELLECTUALLY STIMULATING?

OBSTACLES

- FINDING SCHOOLS TO ALLOW CLASS TIME TO PRESENT MODULE.
- FINDING TEACHERS TO REVIEW MODULES.
- FINDING SCHOOL TO START AFTER SCHOOL PROGRAM.
- LACK OF LOCAL EVENTS.



CONCLUSIONS

THE INITIAL PRESENTATIONS WERE WELL RECEIVED. MODULES WERE UPDATED USING A UNIFYING THEME. DOCUMENTATION OF THE MODULES ARE AVAILABLE TO TEACHERS AND OUTSIDE ORGANIZATIONS THROUGH THE TEACHER KNOWLEDGE SHARE WEBSITE.

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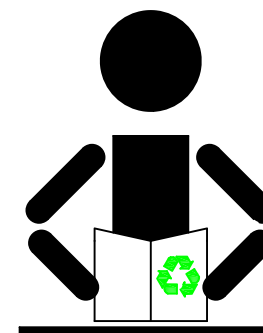
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LESSONS IN

SUSTAINABILITY