**Discovery Methods assignment**

**Group -2**

Pawan Aditya M

Deepthi Supriya M

Sai Krishna K

Kunal Goel

Rohit Patel

Problem Statement:

Using the renewable energy sources in the University campus for various consumption.

Re defined statement:

Reforming the energy sources for basic needs of students and staff living in university at a cheaper and cleaner way.

1. Who is involved?

University management, Students and staff living on campus

a. who is affected ?

The Management of the university of paying hight electricity bills

b. who believe that problem affects them?

The students and staff who are paying the fees for hostels.

c. who does not want the problem to be solved?

Electricity supplying organisation

d. who is benefited?

Both the management and persons living on campus and environment to.

e. who stands in the way of a solutions?

As the renewable energy sources are sun, winds mainly the weather conditions stand in the way.

2. what do you like?

As we shift toward renewable energy sources the pollution factor which is caused by generators will be reduced and we don’t have to pay for energy we use.

a. what are benefits?

Once we install these renewable energy products we don’t have to pay for energy we use and which leads to decrease in the fees of hostels and also we are to harming to environment in any way.

b. what are problems?

The equipment used for production of renewable energy are some how costly and the weather condition will affect the production of energy.

c. what will it affect if not solved?

Using the diesel in electricity generators will cause air pollution and there will be surge in fees if there is surge in electricity prices.

d. what are your goals?

Shifting water heater to solar water heater

Installing solar panels supplying electricity for corridor lights in campus and hostel

Use solar street lights in university

3. When is the solution needed?

As in todays worlds the pollution is a major environment and global warming factor this is the correct time to shift toward the renewable energy resources.

When it will be a bigger problem?

In future when the non- renewable energy resources will be distinct and prices of them will be too costly then the university will face a bigger problem.

4. where does it happens?

It is happening around the world in many places and they are shifting

5. Why did it happen?

Using we are using the generator and electric water heater for our purpose these leads to pollution and costs more electricity bil

a. how have you solved similar problems ?

no we have not solved any similar problems yet.

b. how Does it impact the business?

There will a more investment at the early stages but over a period of time the business will be profitable.

c. How Does it impact users?

The users will have very less impact as the fees for the hostel will we reduced and there is a minimal impact for environment.