

## Problem

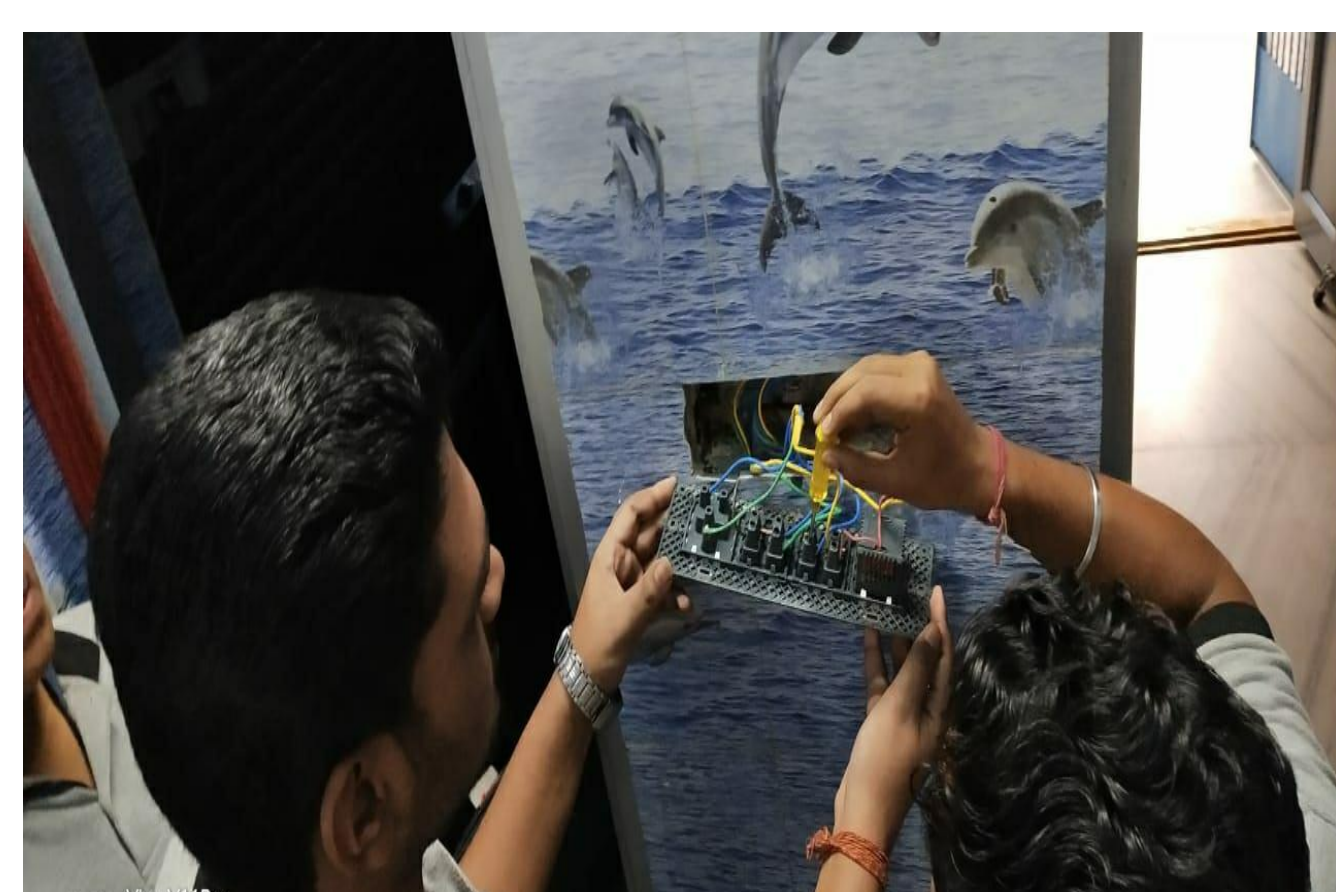
- > Lagging of the gap with community due to lack of education
- > Maintenance of minor electrical problems.
- > Not aware of their household load and their electrical power consumption



(A)



(B)



(C)



(D)

## Solution

A week long community action learning program for the group of students to address problem at their community through doing electrical maintenance and electrical survey

## Objectives

- To plan and form an electrical surveillance group
- To facilitate the community for improving their skill in learning and doing electrical maintenance work
- To ensure us to record our evidence of activity & learning

## Block Diagram

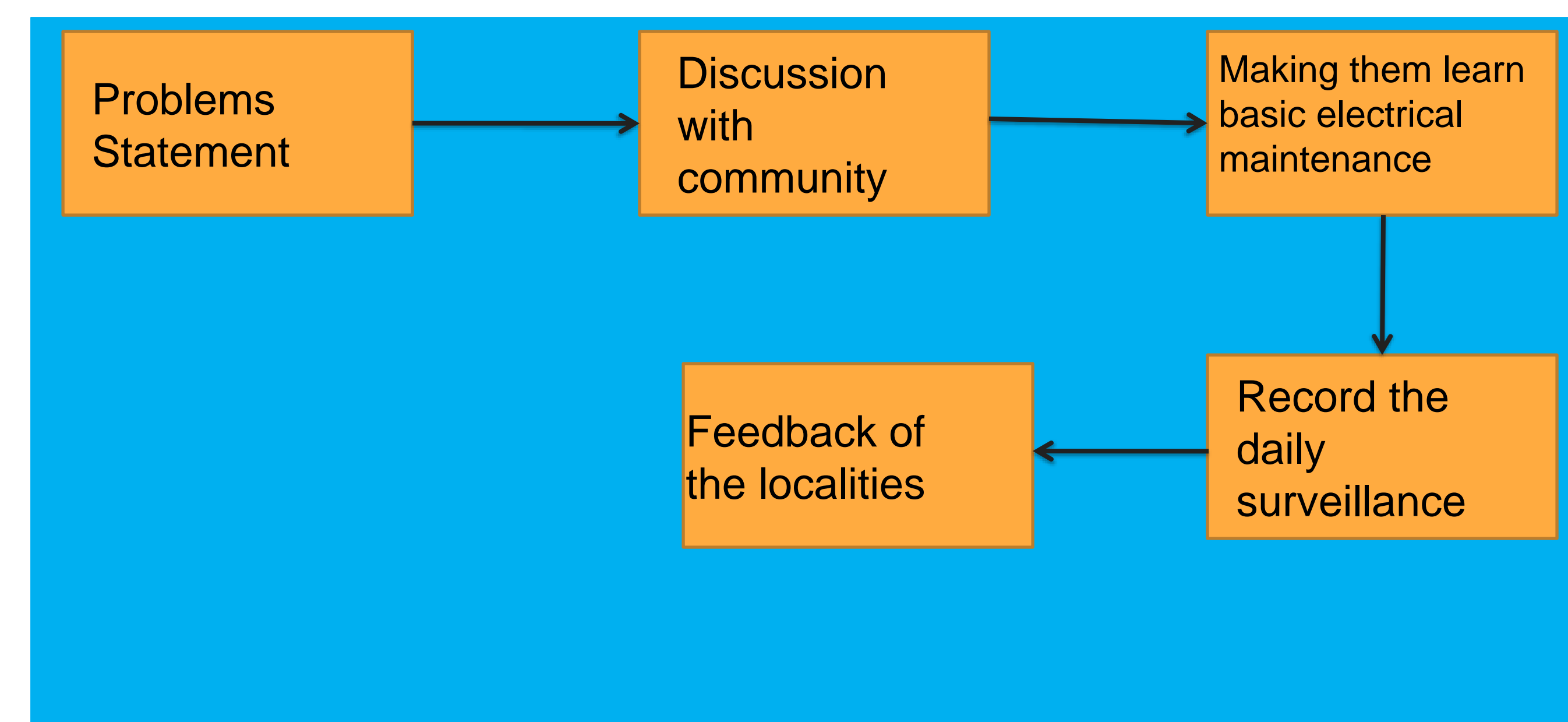


FIG 2. Block Diagram explaining Skill Drill

## Team in Action



(A)



(B)



(C)



(D)

## Final View of the Solution (Photo only)



(A)



(B)

## Skills / Knowledge / Values Learnt

> We came to know that people were interested in learning electrical maintenance work.

> There should be some skill teaching movement.

> We found many people were aware of electrical maintenance.

## Further Work (For real time / commercial implementation)

- Taking skill drill to the next level.
- Planning of making online app. through which we will get online electrical maintenance orders.



## Problem

- Community People are busy in their day to day life.
- They don't have sufficient knowledge to maintain their daily used electrical equipments.
- Regular servicing people charge heavy dues for repairing.



(A)



(B)



(C)

**FIG 1.** Problems with (A) Broken switchboard (B) Refrigerator (C) Wiring related issues

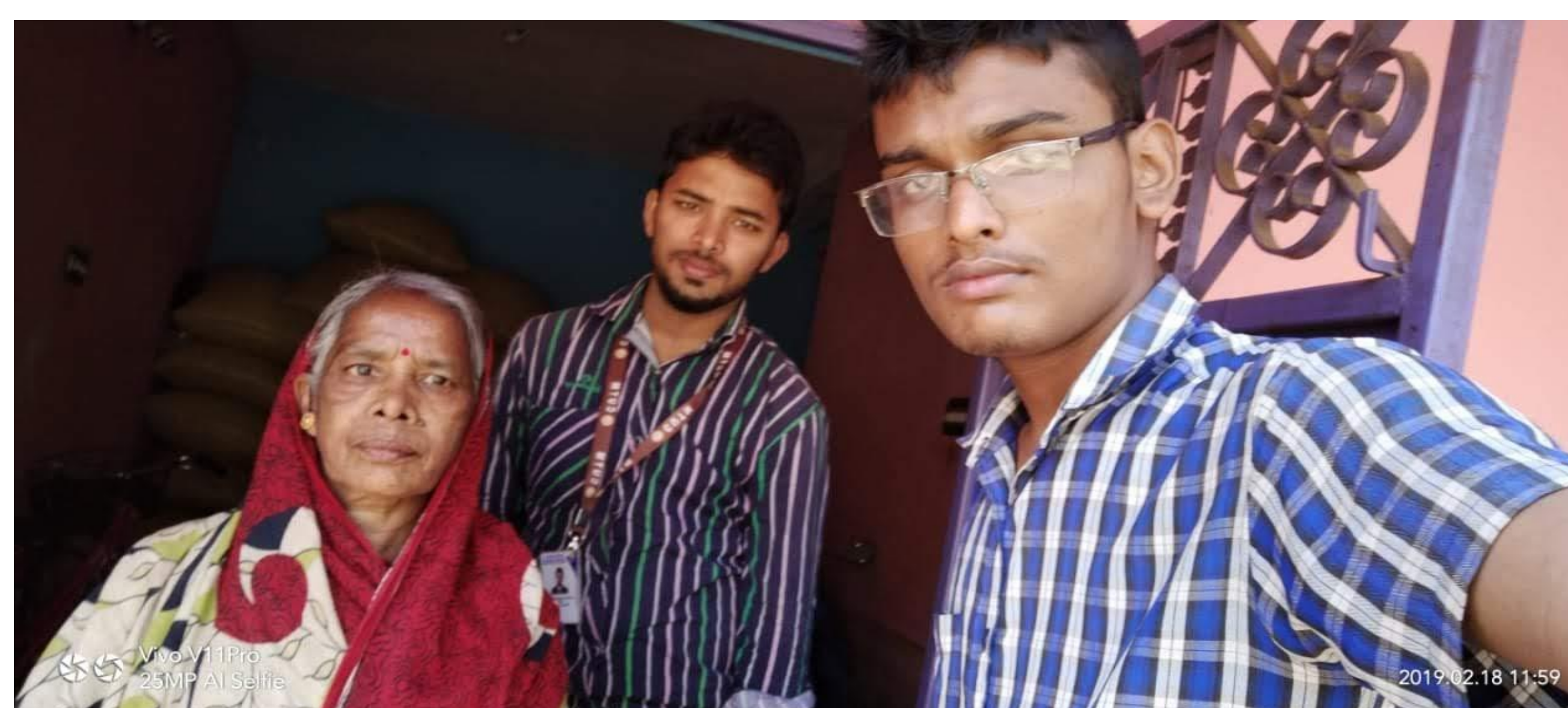
## Solution

- We went door to door and communicated with their regular electrical related problems.

## Objectives

- First we selected an area like a street or a village.
- We went home to home and asked if they have any electrical related problem.
- We tried to find the problem actually happened.

## Team in Action



**FIG 2.** We with our faculties and community for solution of electrical equipment maintenance.

## Final View of the Solution



## Skills / Knowledge Learnt

- We practically understood the actual problem facing by our community.
- We got the hands on practice of electrical equipment maintenance on field.

## Conclusions

Our team members by doing this CAL on SkillDrill project got the real time solution of community people facing in their day to day life related to electrical house holds and also got the difference between other servicing persons and we.

## Further Work

- We will train our juniors for next year Skill drill.
- We will make an android app. And internet site to communicate with people of community easily.



## Problem

- The problems are come out that, the large size of white board difficult for move class room to out of class room.
- For kept in room it takes big size of place



(A)



(B)

FIG 1. Problems with

## Solution

- We are making a board frame in which the board will fold
- And other things we used it will help us to up and down the board

## Objectives

- We make this project for open air class room it is needed.
- For takes one place to another place it easily placed

## Block Diagram

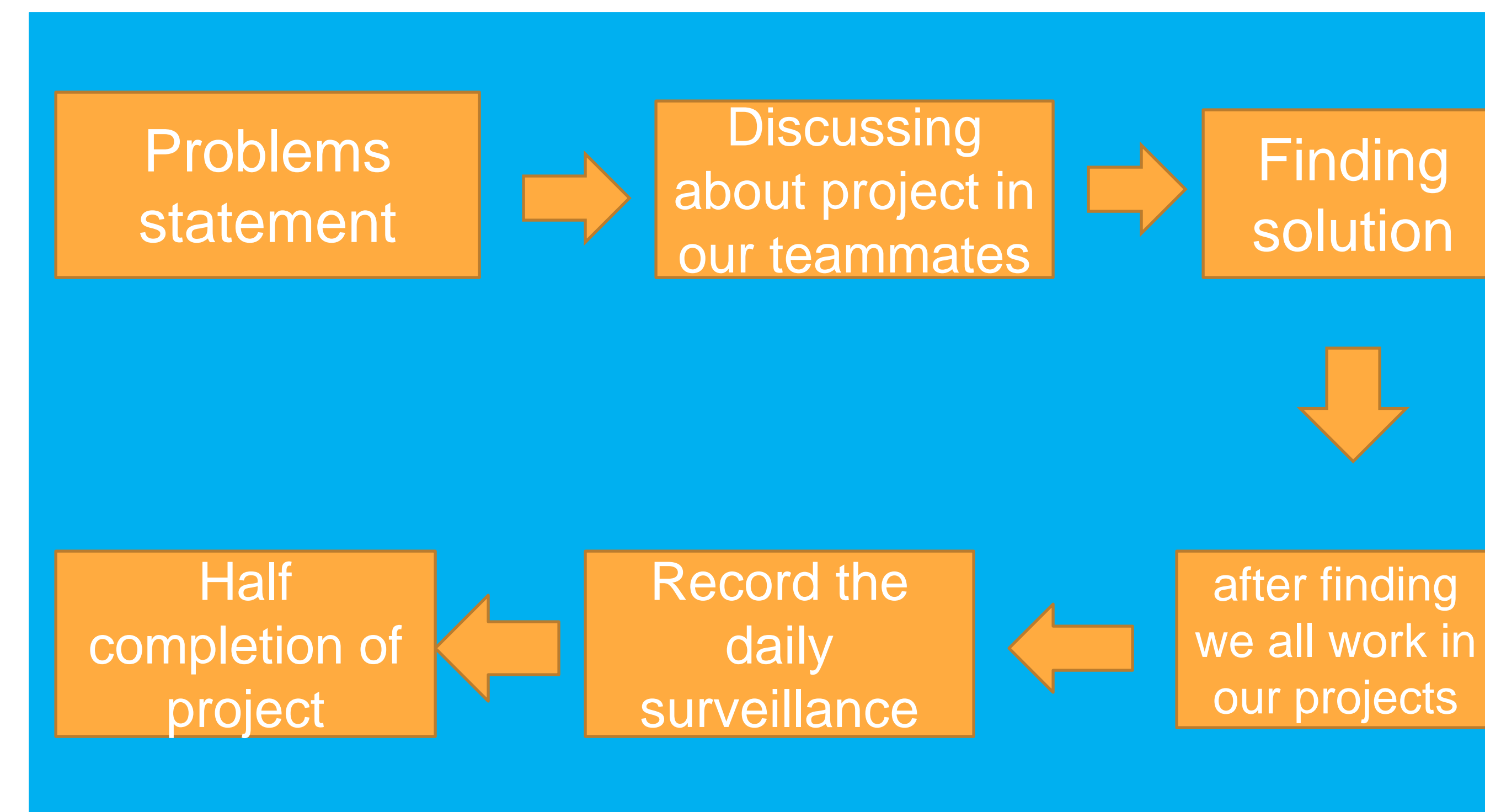


FIG 2. Block Diagram explaining CALP

## Team in Action



(A)



(B)



(C)



(D)

FIG 3. Doing project work with the teammates drilling, welding, cutting

## Final View of the Soutlion

(A)

FIG 4. (A) final view of of project

## Skills / Knowledge / Values Learnt

### We learnt welding

How to joint perfectly more than one iron parts with perfect measurements

### Further Work (For real time / commercial implementaion)

- We will insert a eraser.
- For moving we will use wheel





# Community Action Learning (CAL) Programme (10 words maximum)

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Name 4, Pravat Kumar Behera Name 5, Rakesh Malick

Supervised by: Name 1, Rezuwan Khan



## Problem (Problems being addressed ?)

- Wastage of rods
- Deforestation
- Increase of waste



(A)

(B)



## Solution (Solution in few lines ?)

- Reusage of rod
- \* making of scuptures
- \* making of structurers

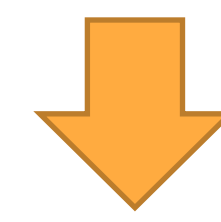
## Objectives (Steps to implement the solution?)

- To make some structures for college
- \* Decorative item
- \* Illusion

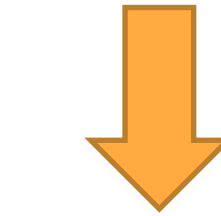
## MECHANICAL BULL

### Block Diagram (Block diagram of Solution / Model)

PROBLEM



OBJECTIVE



SOLUTION

FIG 2. Block Diagram explaining CALP

## Team in Action (Photos while implementing)



(A)



(B)



(C)



(D)

## Final View of the Soutlion (Photo only)



(A)

## Skills / Knowledge / Values Learnt

- Machining
- Welding
- \* Grinding
- \* Cutting
- \* Designing

## Further Work (For real time / commercial implementaion)

- Self Revolving Mechanism of Kinetic sculpture .
- \* Maintenance of book shelf



Supervised by:

## Problem

- **Faulty wire can also cause your electricity bill to increase**
- **Repairing of minor electrical problems.**
- **Not aware of their household load and their electrical power consumption .**
- **They are using electrical loads with no limitation.**



(A)



(B)



(C)



(D)

## Solution

Our safety is the main goal. If we are facing high bills then the flickering lights and damaged appliances have to be removed from our home .  
Other wise we can change it with solar pannels

## Objectives

- To plan and form an electrical surveillance group.
- Engage with their household loads.
- To educate the people about the electricity uses and how much money they pay for there current use and how much energy they use in one day.
- To ensure us to record our evidence of activity & learning.

## Block Diagram

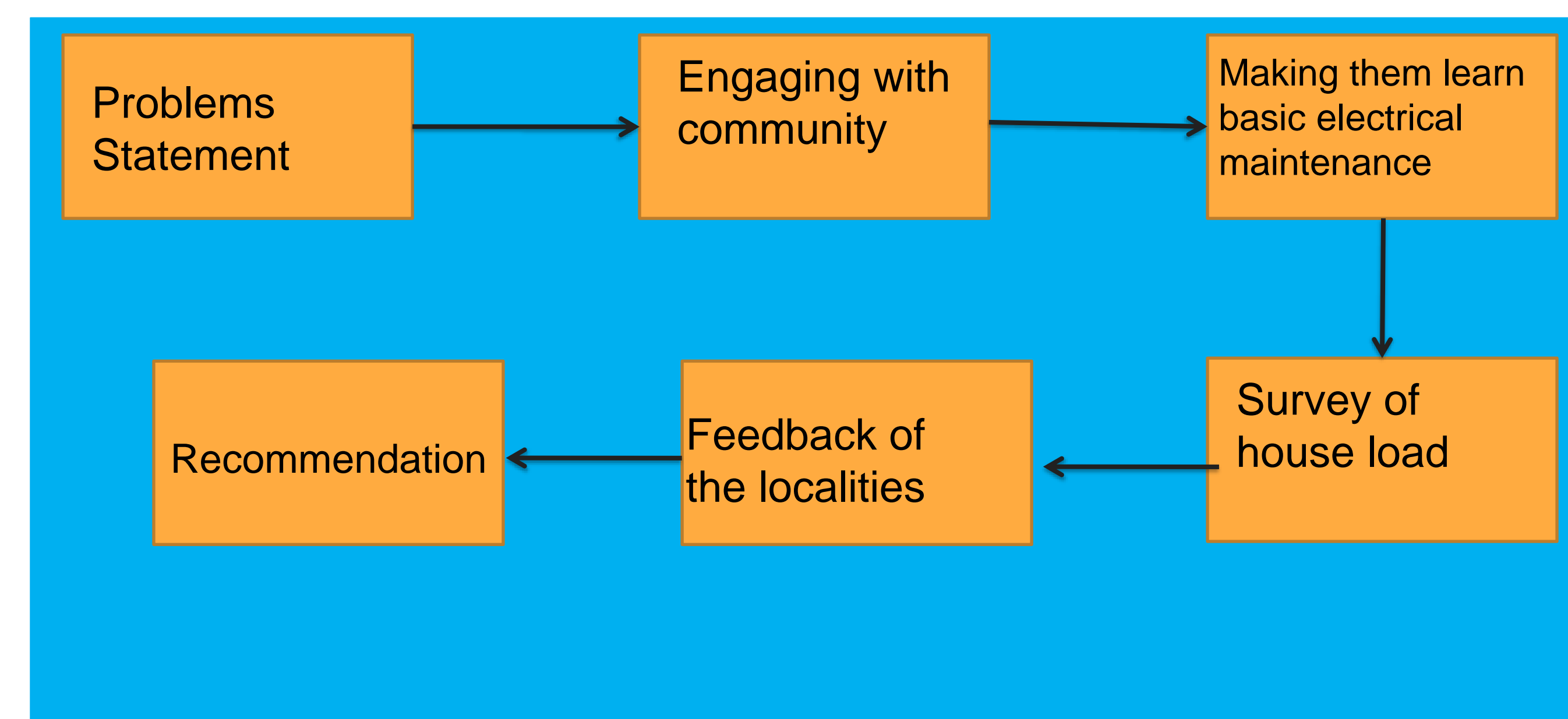


FIG 2. Block Diagram explaining Skill Drill

## Team in Action



(A)



(B)



(C)



(D)

## Final View of the Soutlion (Photo only)



(A)



(B)

## Skills / Knowledge / Values Learnt

1. **We learnt how to calculate electricity bill for different loads .**
2. **We got to know how important electricity is for us .**
3. **We learnt how to consume less amount of energy by using non-conventional energy like solar.**
4. **We have compare the calculated bill with the actual bill.**
5. **We learnt how to communicate with people.**





# Community Action Learning Programme (CALP)

BADAL SAHOO

SMRUTI RANJAN MOHAPATRA

SHABAB ANWAR

SATYA NARAYAN JALI

M.D HASSAN

ABDUL KHATIF

SONALI PANDA

UMASANKAR DAS



## Problem

- Lagging of the gap with community due to lack of education
- Maintenance of minor electrical problems.
- Not aware of their household load and their electrical power consumption



(A)



(C)

(B)



(D)

## Block Diagram

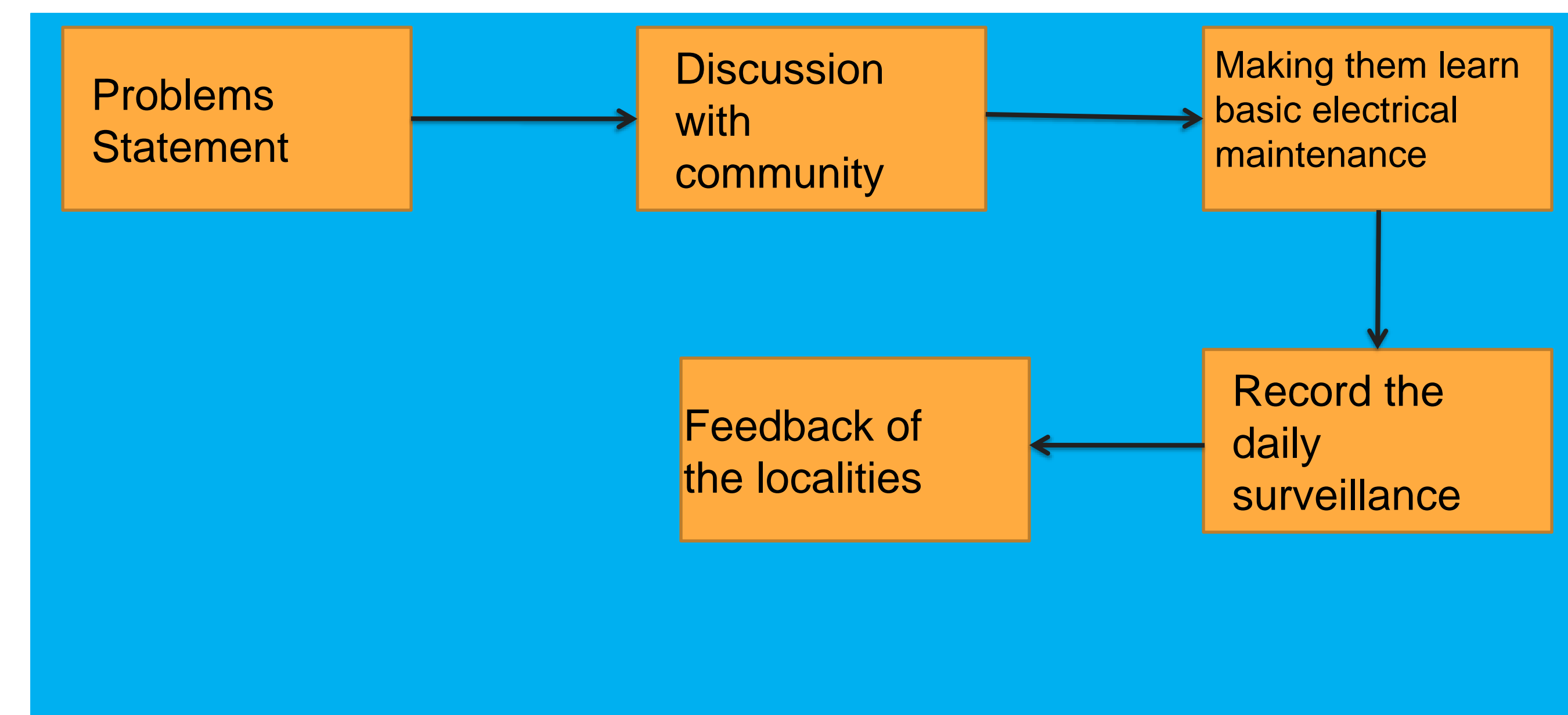


FIG 2. Block Diagram explaining energy edit

## Final View of the Soutlion (Photo only)



(A)



(B)

## Team in Action



(A)



(B)



(C)



(D)

## Solution

A week long community action learning program for the group of students to address problem at their community through doing electrical maintenance and electrical survey

## Objectives

- TO PROMOTE NON-CONVENTIONAL ENERGY AND BENEFITE OF SOLAR USE.
- TO EDUCATE THE PEOPLE ABOUT THE ELECTRICITY USES AND HOW MUCH MONEY THEY PAY FOR THERE ELECTRICITY USE AND HOW MUCH ENEGRY THEY USE
- MAKES PEOPLE ALIGILABLE FOR CALCULATE THERE OWN ELECTRICITY BILL

## Skills / Knowledge / Values Learnt

- We have compare the calculated bill with the actual bill
- We learned about the calculate the amount of electricity bill
- Also know about new electrical components and its power consume .
- And know more knowledge about solar power .

