

Skill Drill With Community Action Learning (CAL) Programme

Pratyush Kumar Nayak

Rajesh Kumar Sahoo

Supervised by: Proff.Anshuman Nanda, proff.Jamalludin Khan, Proff. Jitendra Parmanik

Adarsha Sahoo

Ronak Sharma Abhinash Dash

Soumya Sekhar Bhuyan

M.D. Hassan



Problem

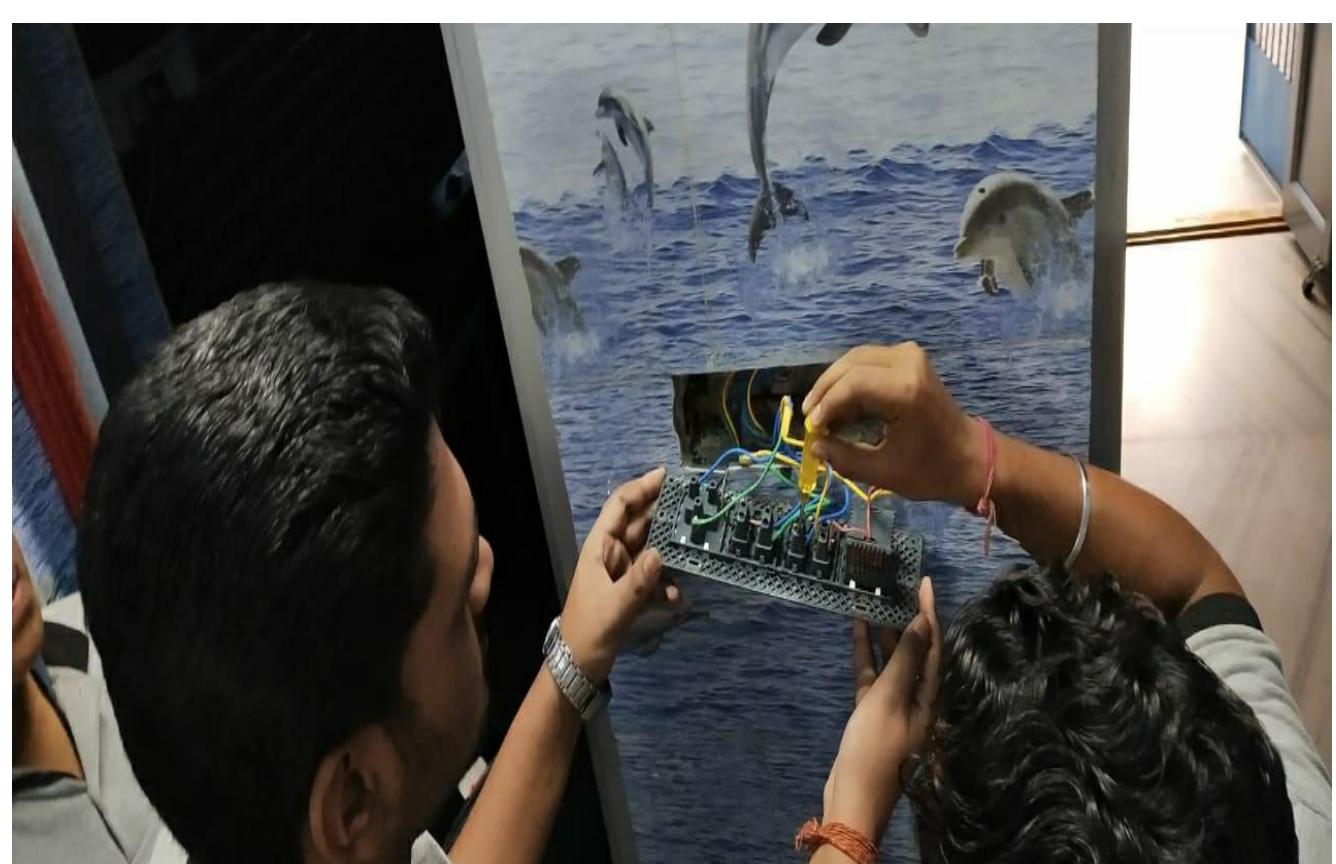
- > Lagging of the gap with community due to lack of education
- > Maintenance of minor electrical problems.
- > Not aware of their household load and their electrical power consumption



(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

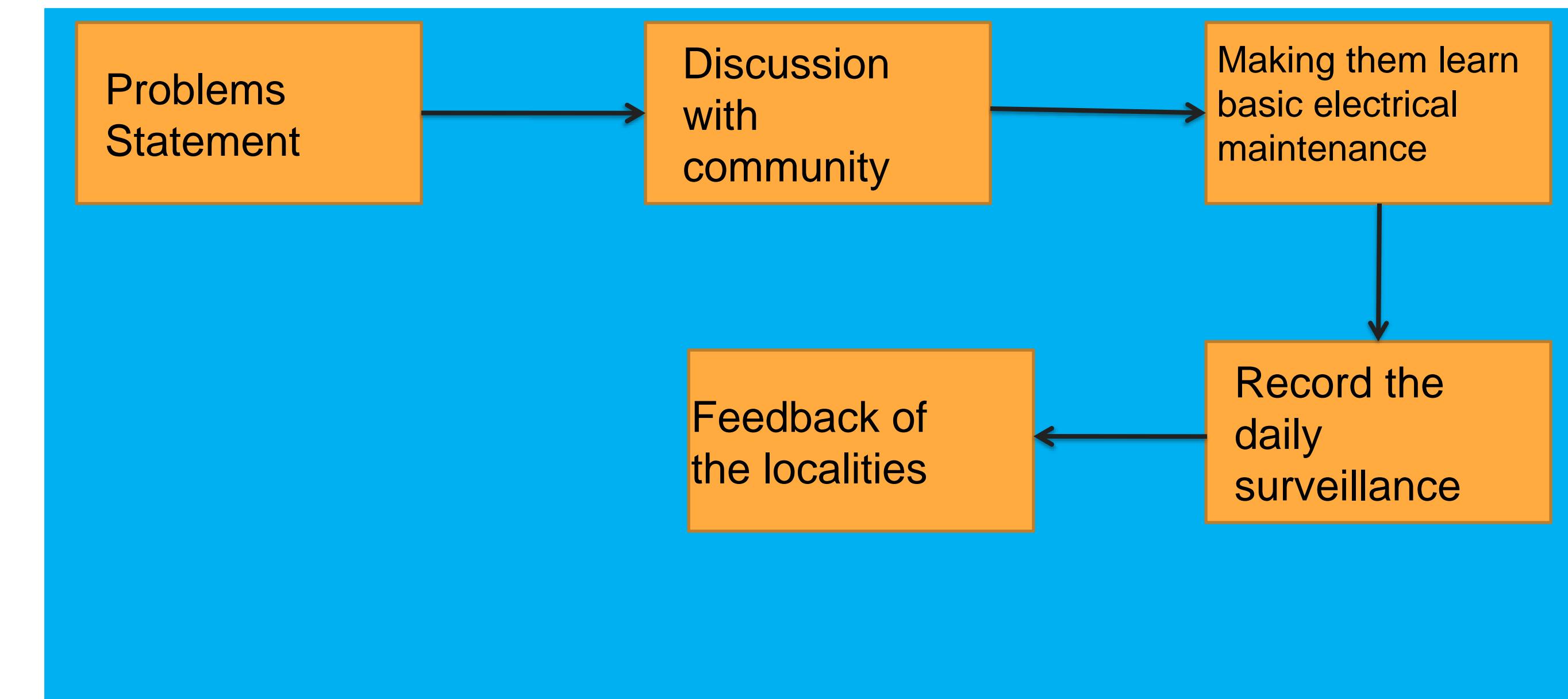


FIG 2. Block Diagram explaining Skill Drill

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 peoples were interested in learning electrical maintenance work.

> There should be some skill teaching movement.

> We found many peoples 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.

Community Action Learning (CAL) Programme on Skill Drill

Name 1 , ABHISEK TRIPATHY

Name 2 , DEBASHIS TRIPATHY

Name 3, SMRUTI RANJAN MOHAPATRA

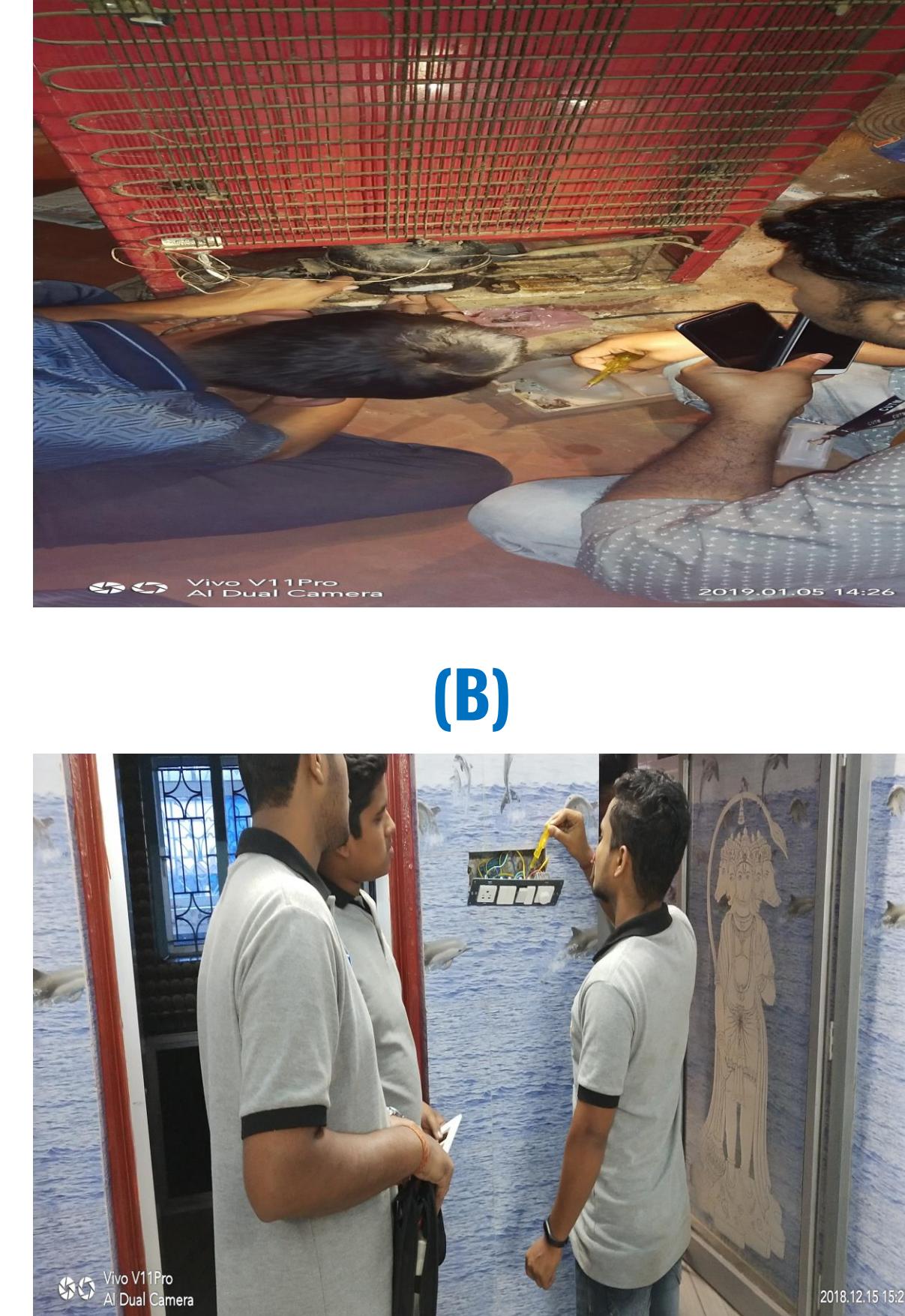
Supervised by: Name 1, ANSUMAN NANDA Name 2, RADHAGOBINDA PRADHAN Name 3, JAMALUDDIN KHAN

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)



(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.

Community Action Learning (CALP) Programme

Name 1- **Rohan Tiwari**

Name 3-**Rama Chandra Tarai**

Supervised by: **Rizwan Khan**

Name 2- **Md Naquibus Swalihin**

Name 4 – **Chandras Pradhan**



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

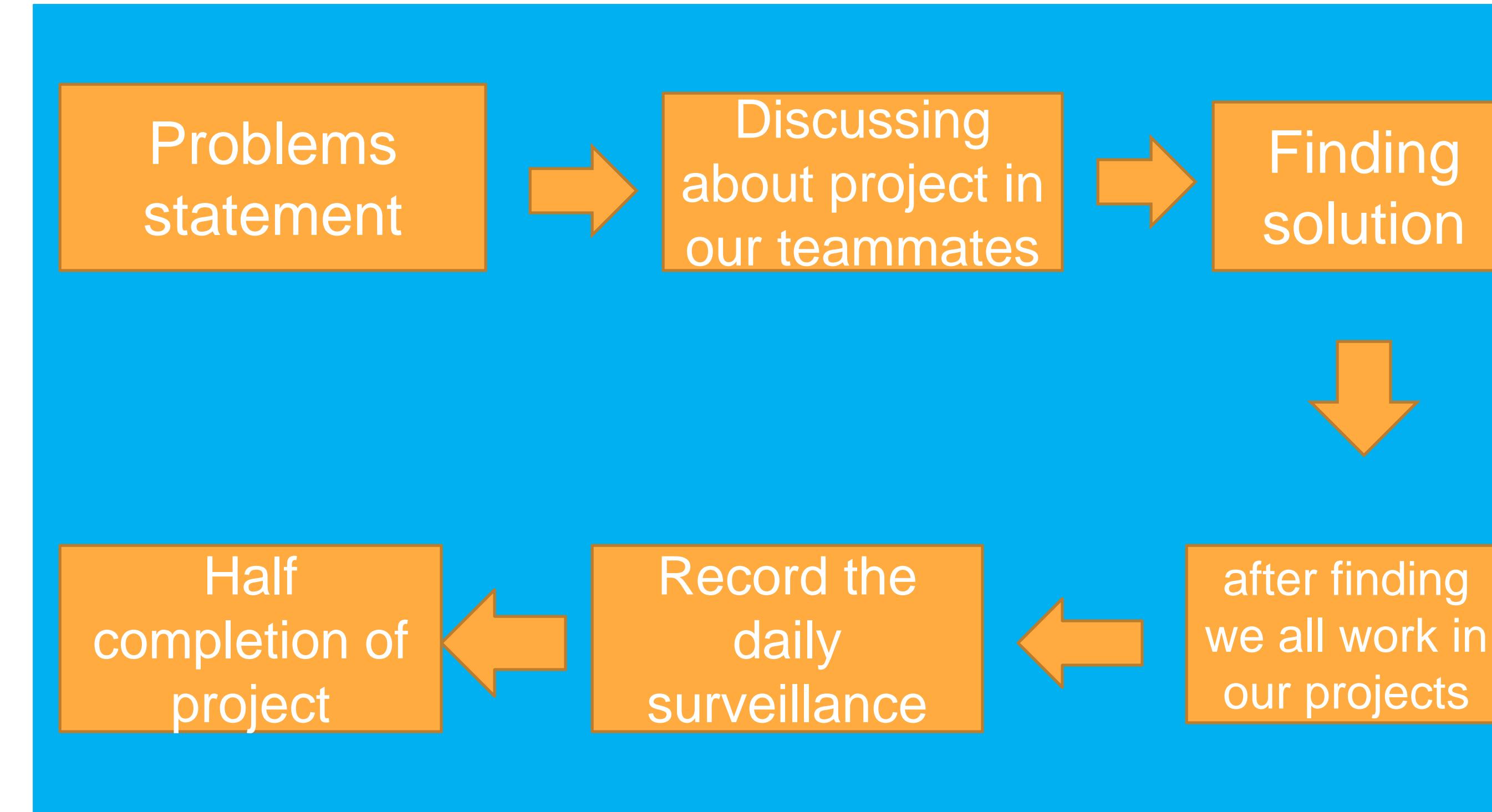


FIG 2. Block Diagram explaining CALP

Team in Action



(A)



(B)



(C)



(D)

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

Final View of the Solution

(A)

FIG 4. (A) final view 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 implementation)

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

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

Name 1 , Abhijit Sahoo Name 2 , Basudev Nayak Acharya Name 3, Aswini Kumar Biswal

Name 4, Pravat Kumar Behera Name 5, Rakesh Malick

Supervised by: Name 1, Rezuwan Khan



Problem (Problems being addressed ?)

- Wastege of rods
- Deforestation
- Increase of waste



Solution (Solution in few lines ?)

- Reusage of rod
- * making of sculptures
- * making of structures

Objectives (Steps to implement the solution?)

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

MECHANICAL BULL

Block Diagram (Block diagram of Solution / Model)

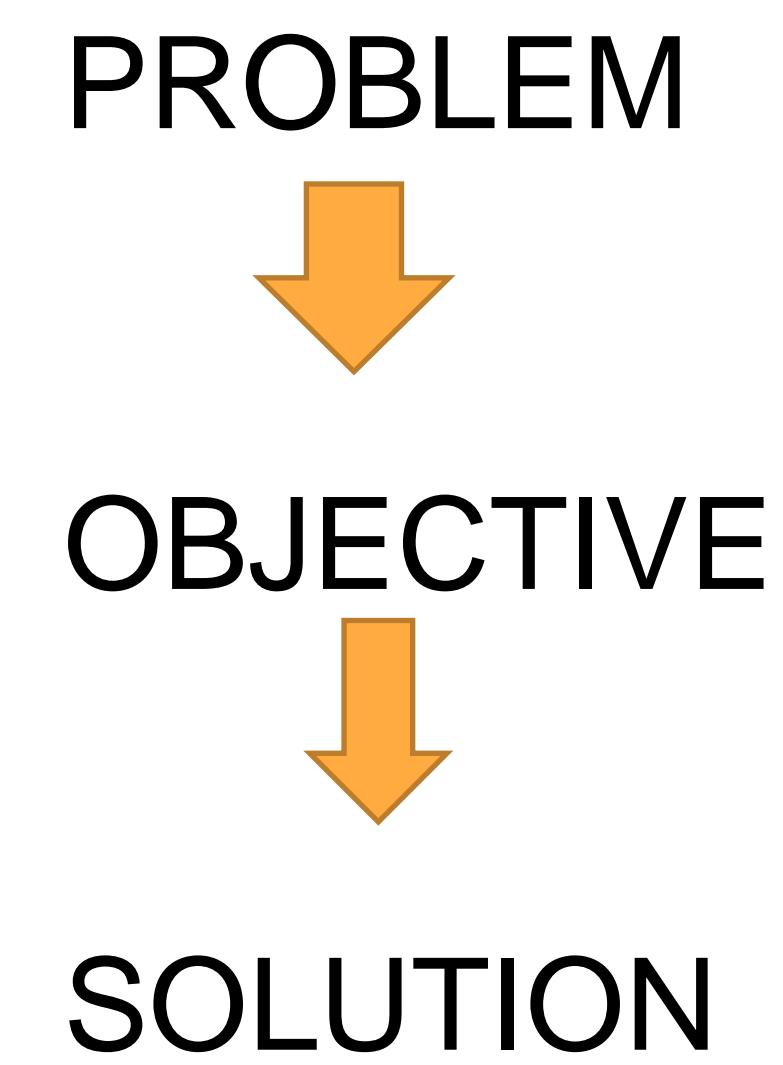


FIG 2. Block Diagram explaining CALP

Team in Action (Photos while implementing)



Final View of the Soultion (Photo only)



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

Community Action Learning (CAL) Programme

Sk Mohammed Masud Ali , N.Lalit , Pratyush Kumar Nayak , Ankit Anand ,
Hitesh Pradhan , Dimple Dubey , Kunal Kumar , Biswajit Sahoo



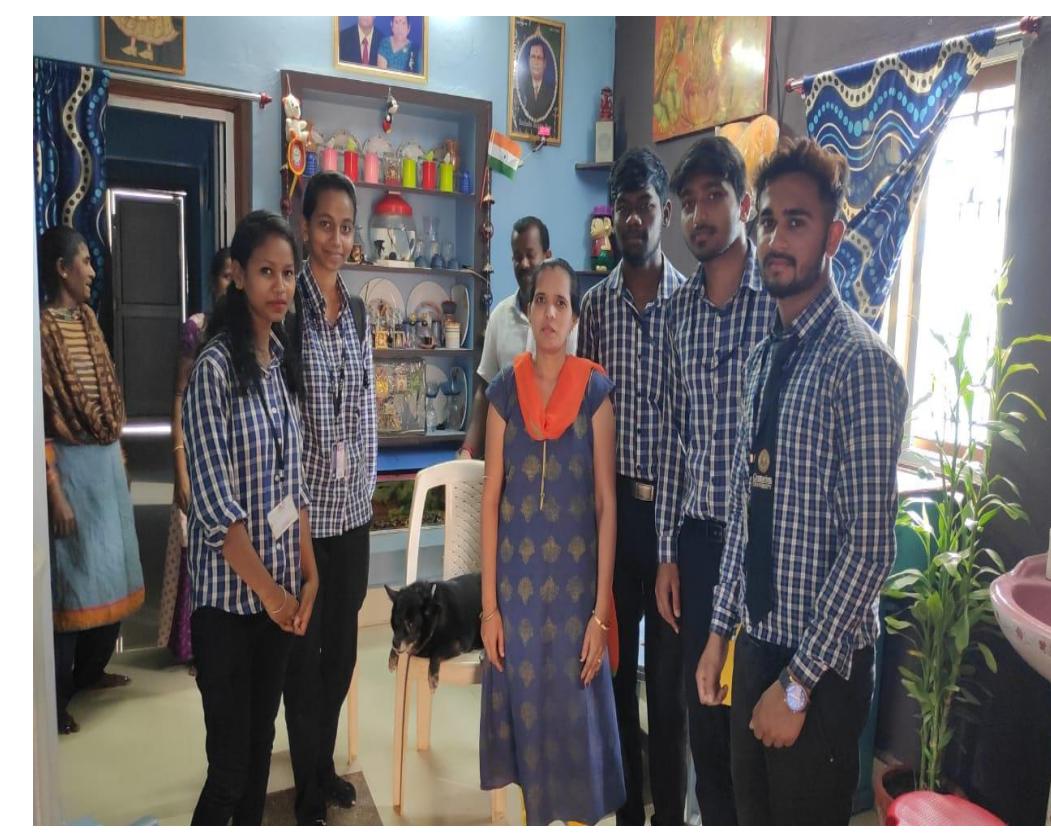
Supervised by:

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)

Block Diagram

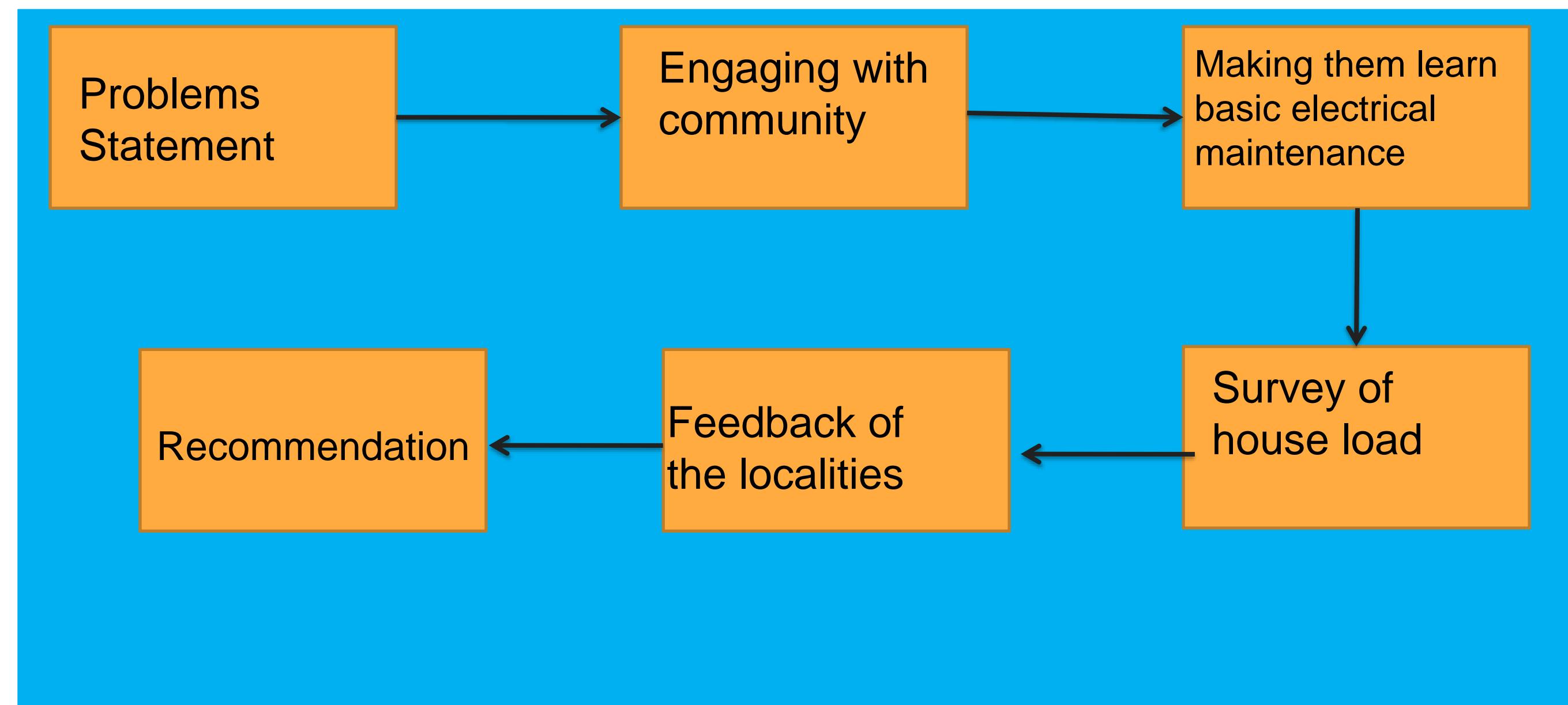


FIG 2. Block Diagram explaining Skill Drill

Final View of the Solution (Photo only)



(A)



(B)

Team in Action



(C)



(D)



(A)

(B)

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 .
Otherwise we can change it with solar panels

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 their current use and how much energy they use in one day.
- To ensure us to record our evidence of activity & learning.



(C)

(D)

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 compared the calculated bill with the actual bill.
5. We learnt how to communicate with people.

