



# DAV Girls Senior Secondary School Mogappair



**Problem solving & Impact report**  
April 2021

Designed &  
Developed by

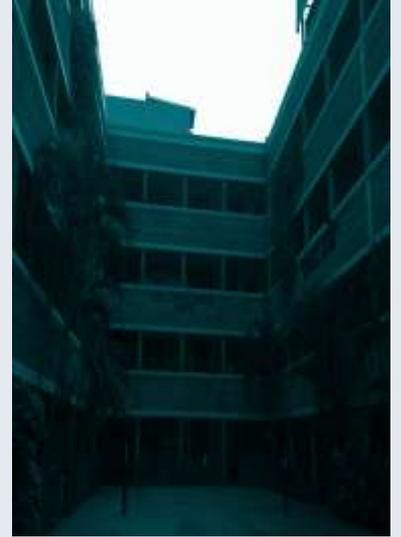


## Project Summary

Grade **6,7,8**  
Batch **2020-2021**  
Program **Build to Solve - Online**  
Duration **9 Months**

### Brief objectives of the program:

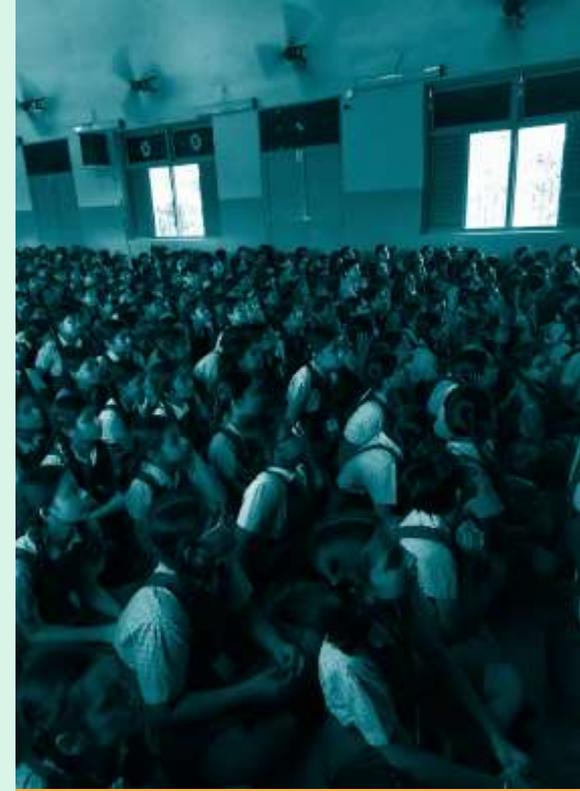
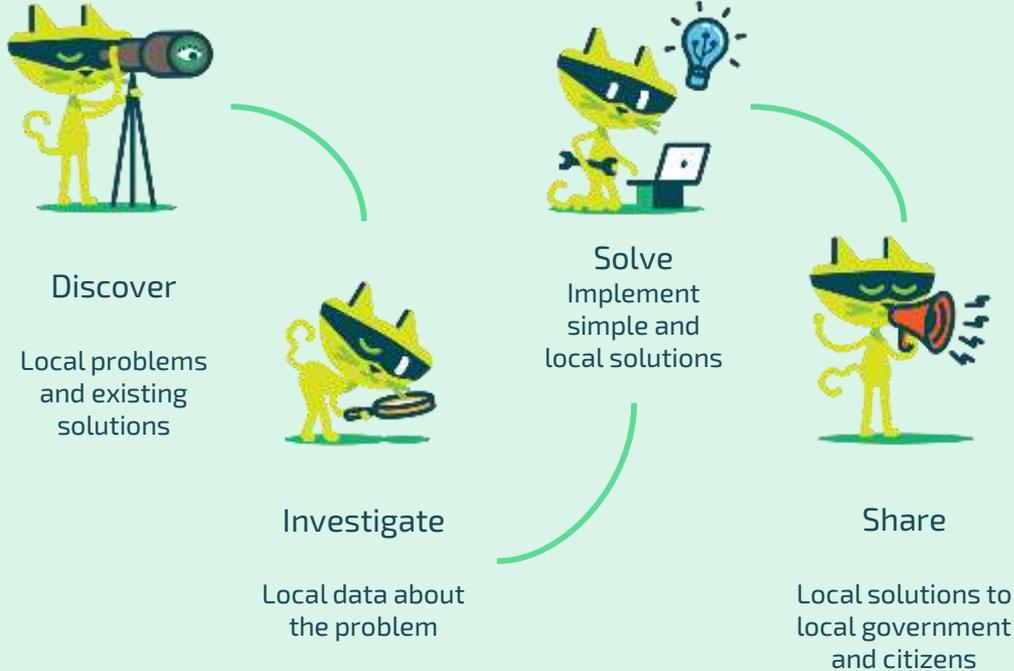
- Discover problems inside the homes and the neighborhood
- Take problem solving actions within homes.
- Take problem solving actions to engage in problems in the neighborhood.



### Reap Benefit Mentors

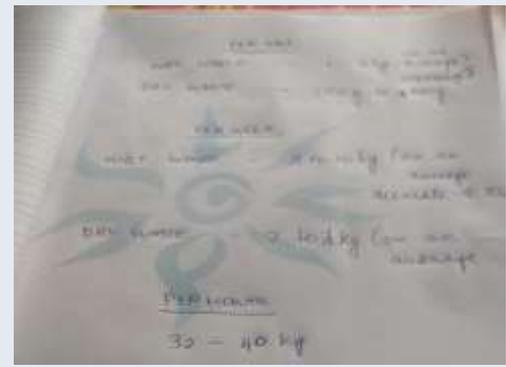
Thresy James  
Baiju Balan  
Vimalprabhu P  
Madhumita R  
Tejas Mahajan

# How do we problem solve with youngsters?



## Project Outcomes (6<sup>th</sup>,7<sup>th</sup>, 8<sup>th</sup>)

- Discovered **problems in and around homes** and neighborhoods related to garbage, water wastage, electricity etc.
- Investigated the problems with the help of **audits and online surveys**
- Implemented small solutions within the homes through **hands-on actions like upcycling old clothes, paper , composting, switchboard mapping** and many more through support from solve ninja whatsapp chat bot
- Taken **reporting and campaign actions** to solve for civic problems in the community like **streetlights, garbage spots, potholes** etc
- Been part of **problem solving community** through taking part in online solvathons and campaigns of Reap Benefit



# Impact numbers of DAV Girls Mogappair

# 911

**Problem solving actions**

# 135

**Problem solving hours**

# 368

**58% Solve ninjas activated**



## Reporting Actions



## Critical Problem Solving

**Prakrithi A of 8B** discovered a road near her area where cars and trucks crossed in high speed which made it unsafe to cross the road. She reported this to GCC via 1913 and followed up many times by calling the traffic police as well.



**Priyanka Shibu of 7C** discovered a drainage problem in her apartment, it bothered her as it was under her balcony and became stinky and filled with mosquitoes, she reported the problem to the residents society to get it solved.

## Hands-On Actions



**Sowmiya Thiagarajan of 6B** discovered a waste sock about to be thrown away, she investigated ways to upcycle it and solved by stitching a zip to create a pouch from an old sock!



## Hands on Solving

**Kathyayini of 7A** discovered that hand wash tap in her home has a very high flow rate and **more water gets used than needed** while doing the water usage audit , ,she solved by implementing a **DIY bottle-cap aerator** to the tap. Thereby optimising the water usage that will save **at-least 1000 liters in the next one year.**

## Campaign Actions



Empathetic communication

**Garima Pansari of 8C** discovered that chemotherapy makes lot of cancer patients lose their hair , Recently she had come across a **cancer patient hair donation drive** and has **contributed her hair** to it. Garima did not stop there, she went ahead , inspired her mom as well to donate her hair for the same donation drive.



**Kavya Harshitha of 8A** campaigned to increase the voter registration and voter participation by investigating information about elections in her circle.

She reached 46 people through her survey and nudged 18 unregistered eligible voters to get registered and be a contributing citizen of the democracy

## Solutions

**200+** students made **at-least one** upcycled product to reduce, reuse and recycle plastics, bottles, newspapers, clothes etc

**10+ students** composted in their homes **at-least once** to divert bio-degradable waste away from landfills.





## Shwetha Nagarajan , Grade 8

Discovered the problem of **dumping of kitchen waste in the canal** in her neighborhood. She **reported this to GCC** which led to the area being cleaned once, post which a **board has been put up warning citizens** from throwing the waste in the canal.



## Navya , Grade 6

Discovered that a **cow was in pain** in her neighborhood she took a hands on action to feed the cow and **reported to get help from a veterinarian**.



## Aadarshini Grade 6

As a nature enthusiast and solve ninja, she **discovered ways for using natural products** for making different day to day items. Using a **cold process and aloe vera base**, she made **organic soap** at home from scratch!



## Skills Activated



Hands on Solving



Innovative Entrepreneurship



Empathetic communication



Collaborative Citizenship

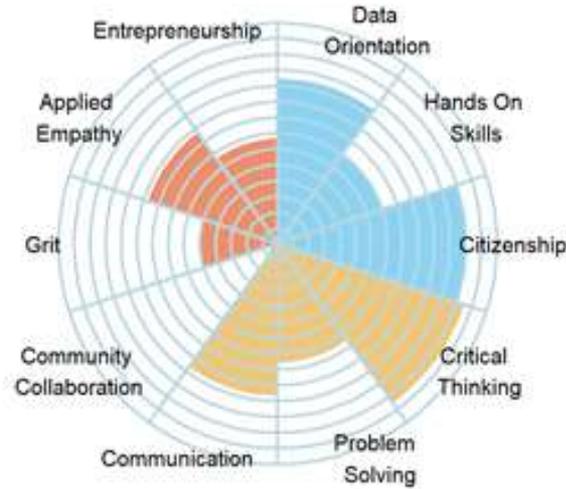


Data Orientation



Critical Problem Solving

# Skills Developed



This chart shows the overall skill development of the students 2020-2021 batch of DAV Girls Mogappair Solve Ninja Bootcamp