

Project name : Dealing with dengue and malaria
" Rainy days Healthy ways keep fighting with dengue and malaria "



Team members:

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Bindu
Navya Srushti
Parvati
Sanchi
Basavaraj
Mahesh
Aditi
Sadhana

Facilitators :

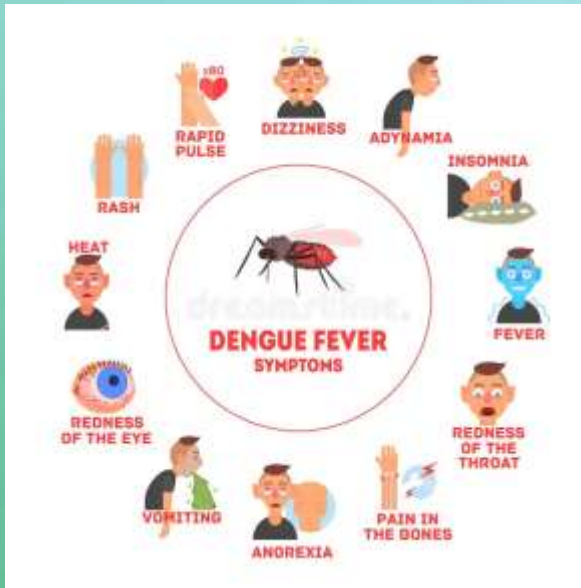
Satish sir AIKYAM
Drakshayani miss
Jagannath sir

Mentor coaches :

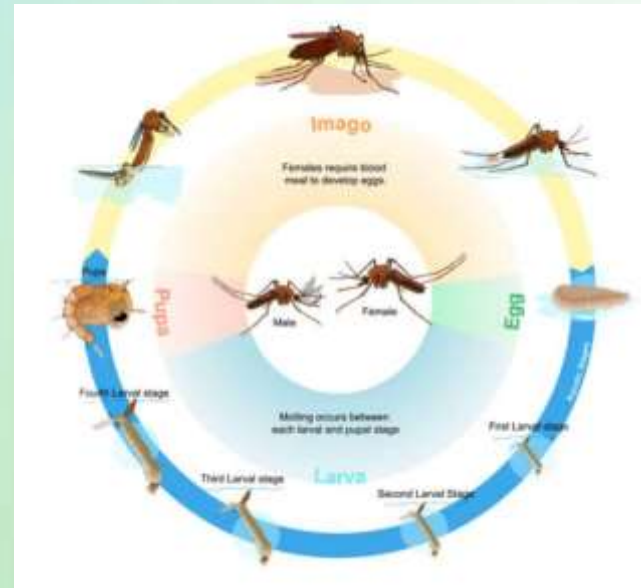
Padma Sanampudi
David Gilson

What challenge does your project address?

The disease of dengue and malaria caused by our unclean surrounding, by stagnant water, over flow of drainage. In our villages we know that people are getting diseases like dengue and malaria due to unhygienic surroundings, throwing garbage on streets leading to clogged drains which are breeding grounds for mosquitos carrying these diseases. Additionally, there are areas of stagnant water in and around our villages in which mosquitos thrive.



[image reference for dengue fever symptoms](#)



<https://osanabar.com/how-long-does-mosquito-live/>

Why did the team select this topic?

Some of our team members were directly affected by dengue disease within their family, this caused us to see how our team could try to help find a way to mitigate mosquito borne diseases in our local community. We discussed different problems that we observed in our local community such as increase in population, but the passion of our team affected by dengue fever propelled our team to move forward on the topic of dealing with dengue and malaria in our villages.

How is the real world problem?

People have been suffering from the long term effects this disease for a long time, and we believe there is not enough awareness about it. In many places, surroundings are not being kept clean and sometimes our local villages are unhygienic. It's not just limited to our community, it is a global one.



<https://drlogy.com/medical-dictionary/malaria>

Team photo with our Principal after discussing multiple social problems observed in our community



Our Team and Ideation Board



[Videolink: Team Member describing our project](#)

[Videolink: Team member describing our team brainstorming session about other problems in our community](#)

[Videolink: Videolink: Our Team members describing the impact of malaria and dengue in the community](#)

How are you planning for permanent changes?

- Health monitoring and first-aid
 - We are planning a student-led health watch group to monitor outbreaks of dengue fever and malaria.
 - Put up Posters in schools on how to identify and report symptoms early and seek medical help.
- Community Engagement:
 - Appeal to local authorities for regular fogging and spraying in affected areas
 - Distribute flyers to local households to take preventative measures and promote the use of mosquito nets and repellents
- Awareness Campaigns:
 - Organize educational session during our village community meetings, our school, nearby schools, and social media to spread awareness about dengue and malaria symptoms, causes and preventions.
- Mosquito Control Initiatives:
 - Conduct cleanup drives to remove stagnant water where mosquitos breed. For example, old tires, open containers, clogged drains.

Learning from the use of interviews

What interviews did the students perform and what did they learn?

Healthcare Professionals in Gulbarag (Doctors, Nurses, Epidemiologists)

- Learned about symptoms, treatments, and prevention strategies.
- Understood how hospitals handle outbreaks and patient care.

Local Community Members

- Discovered local knowledge about mosquito-borne diseases.
- Identified common challenges in preventing infections.

They Learned:

- ✓ Importance of mosquito control (eliminating stagnant water, using insecticides).
- ✓ Role of public awareness in preventing outbreaks.
- ✓ Need for early detection and timely medical intervention.
- ✓ Challenges faced in rural vs. urban areas regarding disease prevention.

Which research data obtained helped to determine what can be done?

Mosquito Control Toolkit that we plan to use:

<https://preventmosquitoes.org/mosquito-control-toolkit/social-media-plan-posts/>

Tips for dengue prevention:

<https://www.cdc.gov/dengue/prevention/index.html/>

Lessons from malaria control to help meet the rising challenge of dengue:

<https://pmc.ncbi.nlm.nih.gov/articles/PMC3574272/>

Dengue fever diagnosis:

<https://www.mayoclinic.org/diseases-conditions/dengue-fever/diagnosis-treatment/drc-20353084>

How did the information you learned motivate you to act in an impactful way?

Since we know several family members who are affected by this disease, we were inspired to make a difference even though we are just a small group of young students.

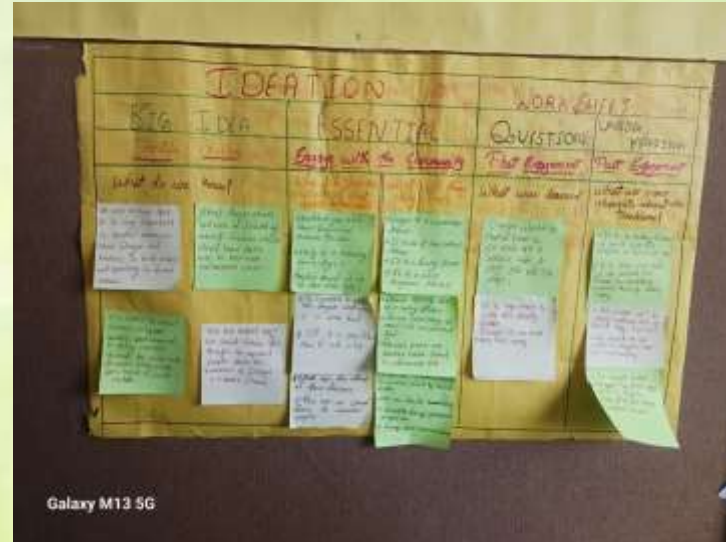
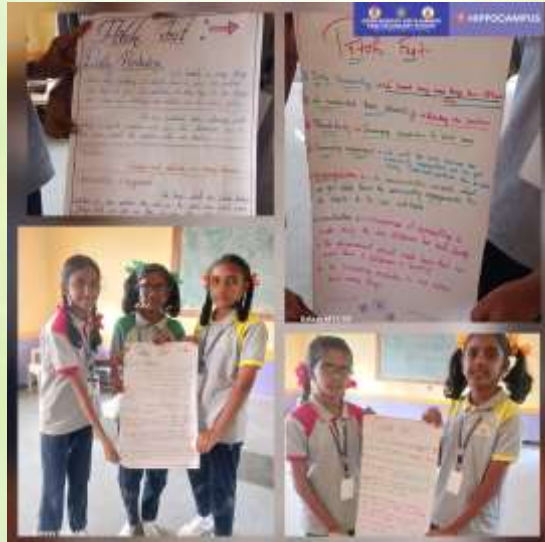
When we learned that mosquitos carrying these diseases can be controlled by eliminating the places where the larva can grow such as stagnant water and clogged drains and we realized we could take action by performing clean-up drives in our local villages.

We learned from reading publication <https://pmc.ncbi.nlm.nih.gov/articles/PMC9348435/> that School based educational interventions are found to have a significant impact on malaria and dengue prevention. This inspired us to organize educational sessions that would be held during our village community meetings, our school, and nearby schools, to spread awareness about dengue and malaria symptoms, causes and preventions.



Interview with our facilitator and our school Principal discussing the problems of mosquito borne diseases in our community.

Photos of Team members being involved in the implementation phase



Our Team planning and discussing about the problem of dengue and malaria.

Give examples of creative use of technologies in your project

- To participate in the meetings conducted by Mentor coaches, and to know about the project step by step, we used: ZOOM app.
- To communicate with ourselves and share our ideas also with Mentor coaches we used Whatsapp , messenger
- To prepare slides of our work in a beautiful way, we used canva To update & Uploading the work done Googledrives
- For coverage of the investigation, interviews, and implementation we used a Phone Camera
- For more information in the process of investigation also for implementation, we used Google
- For more information in the process of investigation also for implementation, we used Youtube
- To record the influence of community people, we used a WhatsApp recorder
- To influence a lot of people we used Facebook.
- For uploading Ciena Solution in a pdf format we used canva
- For zoom links to participate in the meetings, in the calendar, we used G-mail

Picture of team wearing project T-shirts



Front Side



Back Side

Thank You