

IMAGE THAT WOULD REPRESENT OUR PROJECT

GO-ORGANIC GROW

TEAM MEMBERS NAMES :

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FACILITATORS :

K.RAJYA LAKSHMI,
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AIKYAM MENTOR COACHES:

Mrs.PADMA SANAMPUDI
Mr.DAVID GILSON

CHALLENGES OUR PROJECT ADDRESS



The challenges that our project address are: We our team start to challenge environmental pollution. So we started to discuss this issue in our community. Regarding this we started to explore from our grandparents about the changes that they observed from the past to present. All of them shared the changes in **drinking Water, Soil and Climate**. They shared that they never bought water as ground water itself is used for drinking. The reason for this is due to the presence of salts in water, makes it not fit for drinking. We our team started to explore about these challenges. The present technique used by the farmers is **usage of Pesticides and in-organic fertilizers for farming**. Besides polluting the environment this method of farming creates many problems which are faced by the societal people is the **chemicals used** for farming will be **stored in the tissue of the plant along with food**. And when **consumed by animals and humans** these chemicals enter into their body and **result several health disorders such as obesity, cancer, heart diseases, high blood pressures and diabetes**. Along with it while **spraying these chemicals all our sense organs are affected**. It is a problem related to "soil". **Instead of burning the debris, we try to decompose the debris, It is a part of organic farming**. In our surroundings, we observed that Debris is being burnt by farmers after the harvest of crop.

<https://www.nrdc.org/stories/water-pollution-everything-you-need-know>

<https://www.nrdc.org/stories/air-pollution-everything-you-need-know>

<https://byjus.com/chemistry/soil-pollution/>



Polluting environment by **Spraying Chemical fertilizers** near our school **Natco school of learning Gollamudipadu (near ponnur)**



Burning of plant debris after harvesting which creates a huge pollution in the environment near Natco School of learning

WHY DID YOU SELECT THIS TOPIC:

- ➔ This is not only a problem of one community, this problem is faced by whole world and is a **threat for sustainability of life.**
- ➔ People all over the world use lot of chemicals for agriculture to meet the needs of the increasing population but neglected the underlying danger that pollutes soil, air and water. We as a students learnt that these chemicals enters into ecosystem as biological magnification finally destroys the health of human beings. On enquiry we learnt that long exposure to pesticides result in allergies and other symptoms such as headache, dizziness etc and such types of diseases were not known to our elders. This problem inter links many sectors like health , environment, natural resources etc..
- ➔ This makes our team to work towards organic farming and we explored many new things and also found that this organic farming shows a symbiotic relation to put a full stop between biological magnification and environmental pollution
- ➔ **Then only we can provide : A healthy and good environment for the future generations.**
- ➔ **To create pollution free environment.**

Reference links:

- ➔ <https://images.app.goo.gl/PvAWecbFSqwdnnXA6>
 - ➔ <https://images.app.goo.gl/ys4EzbVM1J4yS1zo9>
 - ➔ <https://images.app.goo.gl/Ryz8MuXZ1wKR9ZMy9>
- <https://www.earthreminder.com/what-are-the-benefits-of-organic-farming/>

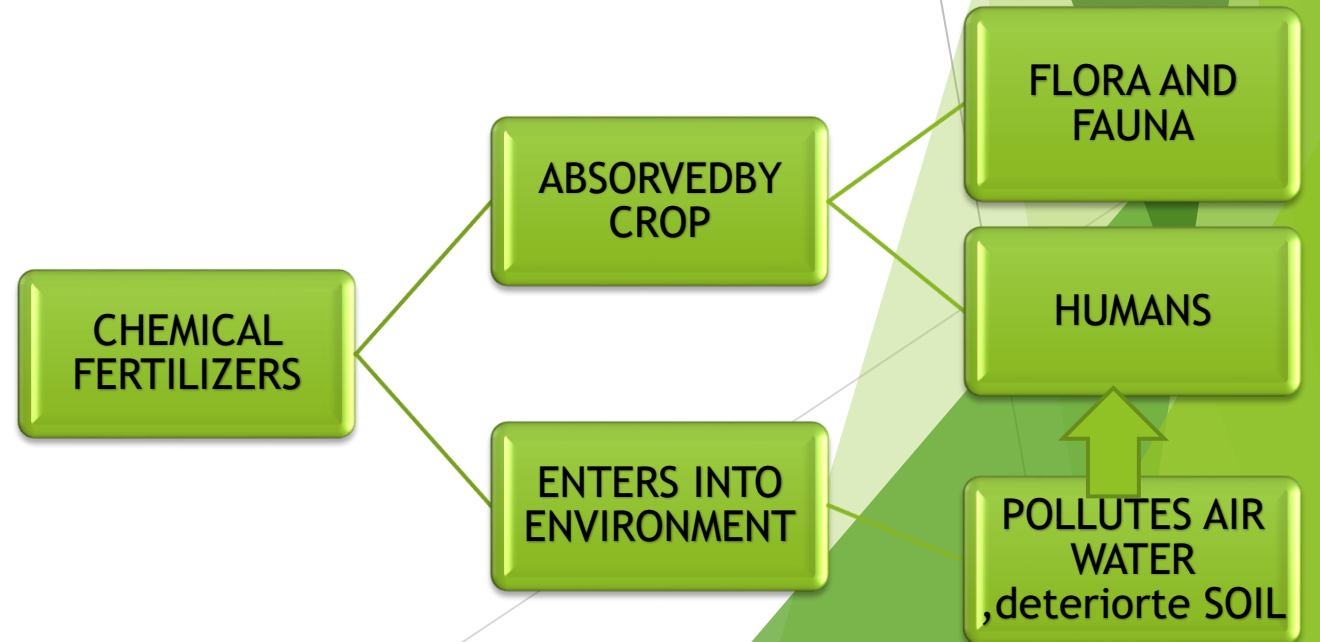


HOW IS THIS PROBLEM A REAL WORLD CONCERN

- ➔ This is a real society problem because in-organic farming is practised by most of the farmers in our communities . This in-organic farming has huge amount of disadvantages, like the chemicals used for growing crops will enter into soil .Thus polluting them in a slow process. When these chemicals enter into water bodies , pollute water. When the debris of plant residue is burnt, it further pollutes air. Thus It's resulting as environmental pollution.
- ➔ When such type of food materials and water is consumed by humans this chemicals enter into food chain thus resulting in disorders of health like allergies ,skin infections ,cancers, etc.

Reference links:

<https://images.app.goo.gl/etZqAxkmQDB33z9H8>
https://en.m.wikipedia.org/wiki/Air_pollution
https://en.m.wikipedia.org/wiki/Water_pollution



Describe learning / discovery from the use of interview or survey

- ✓ Field expert MISS TIRUMALA DEVI said that the solution of organic farming is good and beneficial to land owners but the farmers who took land lease from other farmers would face a huge problem and unable to practice the method of organic farming .
- ✓ The government of India is ready to help the farmers to practice organic method of farming as: instead of chemical fertilizers we can use **more bio chemicals , bio pesticides and bio fertilizers** by providing **specific tools , decomposers and seeds** to practice organic farming.
- ✓ Interview helped us a lot and even we got more knowledge and information **about organic farming.**
- ✓ *Some of the governmental supports:* Paramparagat Krishi Vikas Yojana (PKVY)scheme <https://vikaspedia.in/agriculture/policies-and-schemes/crops-related/krishi-unnati-yojana/paramparagat-krishi-vikas-yojana>
- ✓ Pradhana Manthri Fasal Bima Yojana(PMBY),<https://pmfby.gov.in/> Rastriya krishi vikas yojana (RKVY), <https://www.godigit.com/guides/government-schemes/rashtriya-krishi-vikas-yojana-rkyv>
- ✓ Kisan Suvidha <https://q.co/kgs/xmpLh9>
- ✓ Crop info app, <https://cropinfo.in/agriinfo/mobile-applications/> and etc.
- ✓ We even understood the problems faced by farmers
- ✓ To be frank this interview helped us to sort out problems address with our solution .
- ✓ We under stood that our **solution of organic farming is good and affordable** for land owners. But the farmers who took land lease can't cope up with this Organic farming as this Organic farming may not give Better yield up to 4 to 5 years.

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

- ❑ The research data that we got from **Google and chrome helped** us to get more information about organic farming. And also help us to figure out the solution for our problem of inorganic farming.
- ❑ <https://ldrv.ms/w/s!AoH5COHXk8MrgSH9EQiZCiJ6ZDgP>
- ❑ **Mock interview with MR Ramana reddy (Natco trust manager and expert trainer and suppoter for who are practicing organic farming)and Formal interview with Tirumala Devi garu (Bsc agriculture)** also helped us a lot to determine what can be done for rectifying our problem .
- ❑ We along with NATCO trust want to act as a barrier to resolve this problem . Our team want to start **organic hubs** to encourage farmers about the different schemes designed to support organic farming ,and also clarify their doubts and even buy their yield at a fair price as this is one of the major concern of the farmers.
- ❑ We even targeted homemakers to grow vegetables through organic methods . Our team distributed seeds to people of neighboring villages , students of our school and even in our school garden.
- ❑ <https://ldrv.ms/w/s!AoH5COHXk8MrgSPptHRVZEQI32k4>
- ❑ https://ldrv.ms/w/s!AoH5COHXk8MrgSeGsgtxzDS_MNeg

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



In earlier period due to **rational farming** , for example: Our grandparents cultivated paddy followed by green gram/black gram to enrich nutrients in the soil , thus this reduces the **usage of in-organic fertilizers** to some extent. But in present situations, **due to the usage of chemical fertilizers, soil loses its fertility, loses its natural nutrients present in the soil and the yield is mostly contaminated with these chemicals**, which shows its impact in a slow process. This type of farming using **chemicals pollutes land, even water. It shows a great impact on the health of the people** who consume these products produced through chemical farming , **it leads to many health problems like cancers, skin allergy, etc** Such type of instances made us to think about **organic farming** that reduces the effect of pollution. At the same time, it provides healthy food to the people. We **as a group want to promote awareness among the people, by first interviews/meetings with local area farmers to gain knowledge, after bringing awareness in the public through various sources such as social media (like face book , instagram ,twitter and youtube etc)**, motivational speeches, orientation classes, which explains the uses and importance of Organic farming.

- ▶ We along with NATCO trust want to act as a barrier to resolve this problem . Our team want to start **organic hubs** to encourage farmers about the different schemes designed to support organic farming , clarify their doubts and even buy their yield at a fair price as this is one of the major concern of the farmers.
- ▶ We even want to target homemakers, people of neighboring villages , students of our school and even in our school garden to grow vegetables through organic methods for better health.

PHOTOS OF TEAM MEMBERS BEING INVOLVED IN INVESTIGATION PHASE

- Mock interview with **NATCO TRUST** manager **Mr RAMANA REDDY**, who is an experienced and a Supportive to the farmers in this area.



FORMAL INTERVIEW with FIELD EXPERT **MISS TIRUMALA DEVI**(BSc agriculture)

Planning for a permanent change

We as a team want to implement our plan of action which can be changed into huge and permanent . This makes us to target home makers, children of our school to grow veggies at their home through organic methods.

our team members started to work on their plan of action that result in a permanent change of the society to follow organic farming .

- ❖ This is very beneficial to every person as it costs less and at the same time result in good health. So we started Conducting Awareness about organic farming through various sources like:

Public meetings such as organic hubs where farmers can directly talk with agricultural officers to clarify their doubts.

Need to guide farmers to prepare the Organic fertilizers which need to be used in organic farming to grow a healthy crop. Once the farmers get's awareness about this problem, which is also an environment concern, then they get to know about the disadvantages of chemical farming/inorganic farming and they try to divert into organic farming.

Our team influencing others

DISTRIBUTION AND SOWING OF SEEDS BY NATCO SCHOOL OF LEARNING to children to motivate home makers to practice organic method of farming.



KRISHI VIGYAN KENDRAM (KVK)



GRADE-9 CHILDREN ARE SOWING SEEDS IN "KVK" FARMG.

APPROACHED TO KVK AND ASKED SUPPORT FOR IMPLEMENTATION



VISIT TO IMPLEMENTED AREAS TO KNOW THE STATUS (GOLLAMUDIPADU)



We started to influence from home makers by growing organic veggies. For this we distributed seeds and explained the procedure of growing veggies with using Organic fertilizers with low cost. Even our team members explained how to use Natural fertilizers with Chillies and Garlic paste. Also We distributed seeds to school children. We also planned to distribute Certified organic paddy seeds in nearby village farmers by the end of the April. We also planned to conduct organic Hubs by collaborating with the KVK Team and Natco Trust each other. Team gathering farmers with KVK and providing necessary knowledge in growing crops organically making fertilizers. With support of Natco trust and KVK is ready to provide decomposers that decompose the debris of paddy crops instead of burning it we organized organic hub with collaboration of Natco trust with farmers to practice organic farming as its benefits for future generations.

Creative use of technologies in our project

- Technology is as bright as a button with bells and whistles during our journey of our project we utilized Microsoft Word  for documentation purpose we activated Microsoft PPT  for the submission of our project .We rest on several apps like inshot  to edit and merge the videos of mock and formal interview .and Nodia app  to create the logo that reflect our project. To promote our project we rely on various social media apps like Face book  Instagram  and Twitter  . To explore our project ,we sought the help of Google  and Chrome  . Finally Whatsapp  and Zoom  has paved a right path to interact with our mentors in USA and exchange our ideas with NHS team in Hyderabad.

Links to interview snippets

- ▶ [Mock interview with Natco Trust manager](#)
- ▶ [Formal interview with the Local field expert](#)
- ▶ [Interaction video during implementation stage](#)

Picture of team wearing project T-shirt



Team members being involved in the implementation phase



Distribution of seeds to home makers at Gollamudipadu



Sowing of seeds at KVK (krishi vigana kendram at Guntur)by Natco children

SPARE SLIDE

Our team created social media accounts in Facebook, Instagram and Twitter as follows.

https://instagram.com/sdg_swap_team?igshid=YmMyMTA2M2Y

<https://www.facebook.com/profile.php?id=100090084188422&mibextid=ZbWKwL>

<https://twitter.com/SdgSwap>

Mock interview sample questions

1. What are the other problems solved by doing the organic farm

some other problems solved by doing this organic farming are

- ▶ The financial burden on the farmer is minimized
- ▶ Good health
- ▶ Life span increase
- ▶ Good fertility of soil
- ▶ Waste is decreased

2. Which type of crop give high yield in organic farming?

- ▶ mostly paddy crop is high yield in organic farming in our area. It means according to the area and amount of water available in that place the crop which give high yield will change.

Formal interview sample questions

- ▶ 1. Why in our India organic farming is unable to implement?
- ▶ The reason behind this is in our India, farmers are believing that organic farming is time taking process and need a lots of care and Difficult to make organic pesticides. And may not give better yield. Even we created awareness among the farmers to practice organic farming but they has a stereotype like that it may know this may not give better yield.
- ▶ 2. How can a farmer sell a crop consumed from Natural farming?
- ▶ The farmers can get a certificate from the government, which says that this particular farmers crop is healthy and natural.

