

ORGANIC FARMING

As part of the best practices of Government Degree College, Yeleswaram, the department of Botany has initiated one of the best practice i.e organic farming. The farming has inaugurated by **Dr. D Suneetha**, Principal in the Botany garden. The students and the staff did farming with a lot of love and curiosity. Various greens (**Amaranthus , Spinach, Gongura, Mint, Coriander, Fenugreek**) as well as **Eggplants, Chillies, Tomatoes**, and other vegetables were grown and distribution was made for the students and staff. The practice was done under the supervision of **Dr. Prayaga Murty Pragada**, Lecturer in Botany.

Organic farming is an agricultural method that uses natural processes and substances to produce food. It's also known as ecological farming, biological farming, or permaculture farming, is an agricultural system that emphasizes the use of naturally occurring, non-synthetic inputs such as compost manure, green manure.

Organic farming is a system of agricultural production based on the use of natural processes and resources — no chemicals (e.g. fertilisers or pesticides) or genetically modified organisms (GMOs) are used — in order to obtain healthier and more nutritious food while protecting soil fertility, preventing the spread of pests and respecting the environment. It is a system that, instead of using agricultural inputs, carries out specific practices depending on the characteristics of each **ecosystem**.

Main aims of Organic farming

- Reduce environmental impact
- Maintain biodiversity
- Preserve regional ecological balances
- Enhance soil fertility
- Maintain water quality
- Reduce exposure to toxic material

Organic farming uses:

- Crop rotations
- Crop residues
- Animal manures

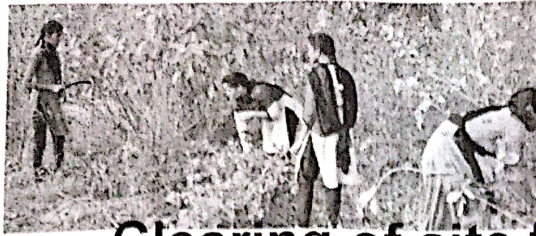
- Off-farm organic waste
- Compost
- Green manure
- Minimum tillage
- Intercropping
- Nitrogen-fixing plants
- Natural pest control measures

Benefits

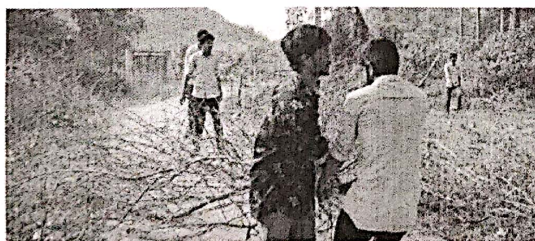
- Improve soil structure
- Reduce erosion
- Fine-tune farming practices to meet local conditions

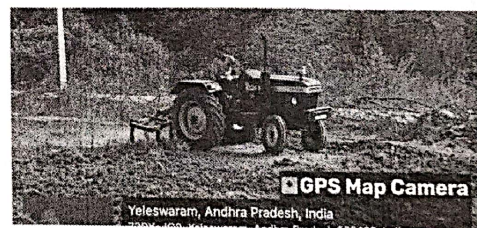
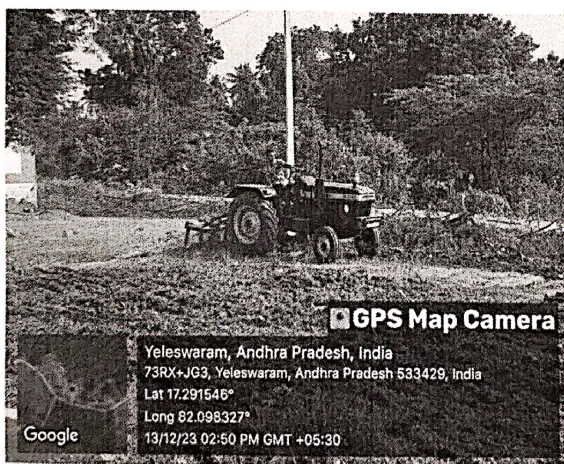
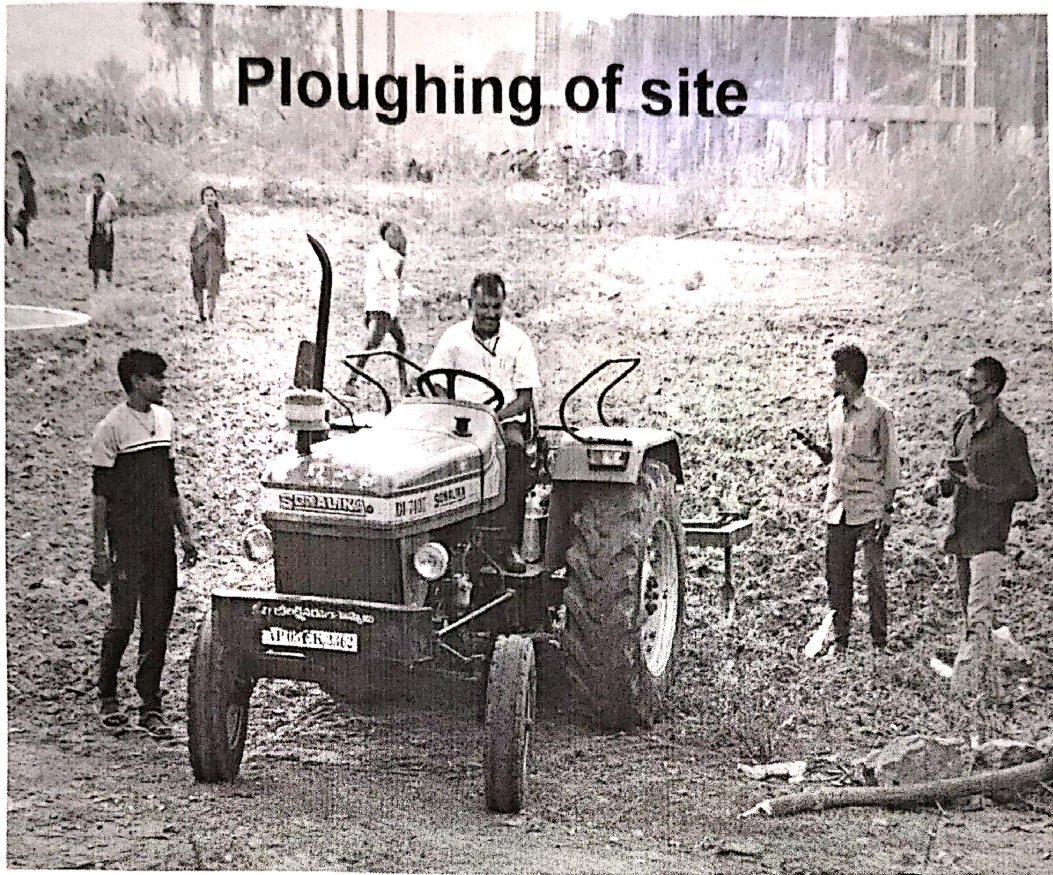
This practice is started in the academic year 2023-2024 and it will have been continuing in the subsequent academic years


Department of Botany
LECTURER
GOVT. DEGREE COLLEGE
YELESWARAM-533429, Kakinada Dist.



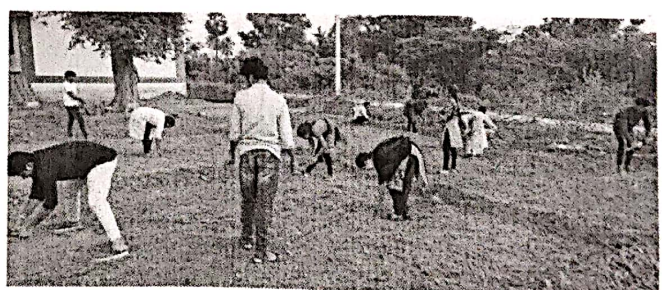
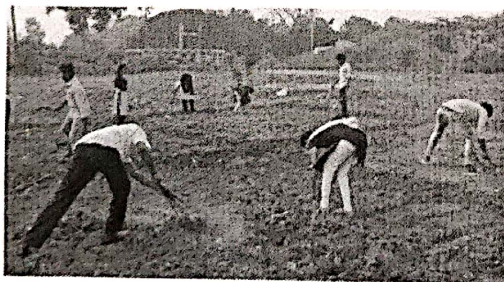
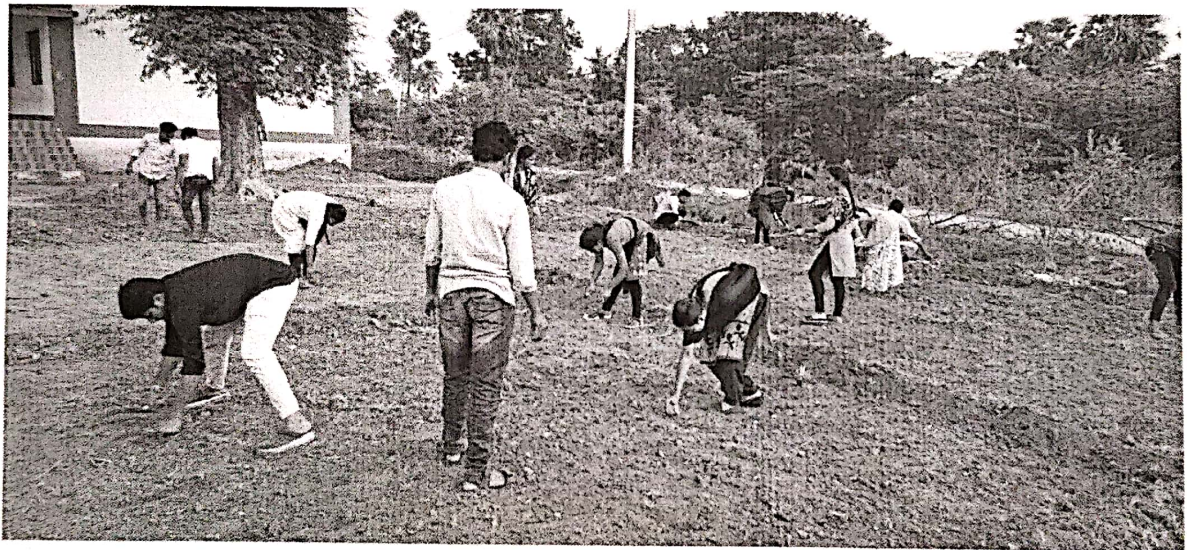
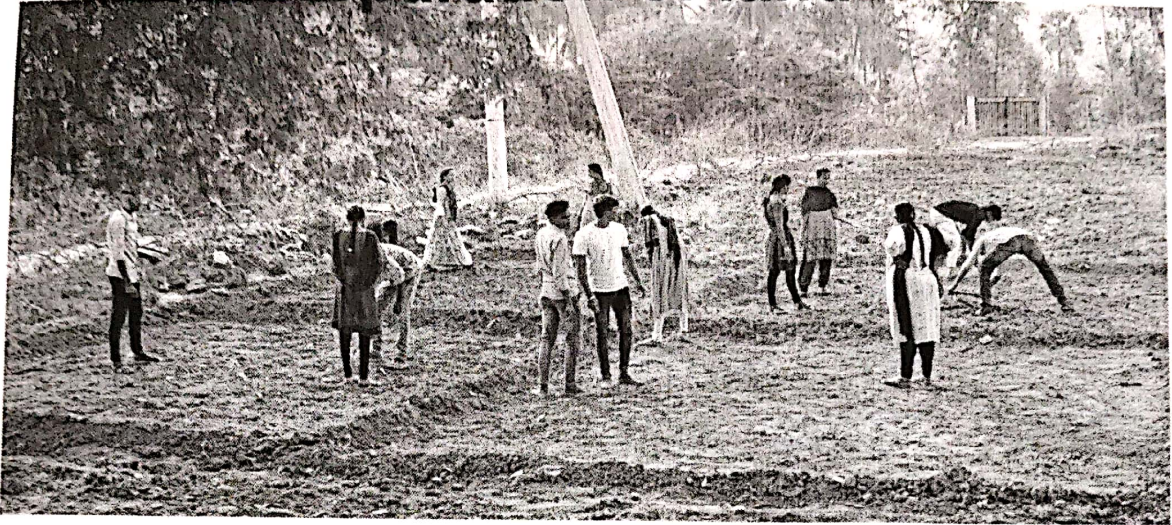
Clearing of site for organic farming





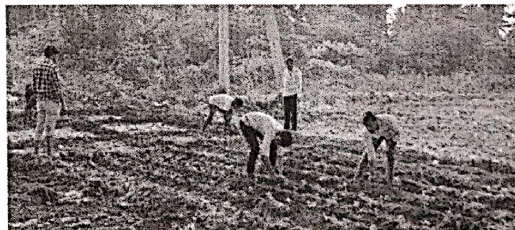
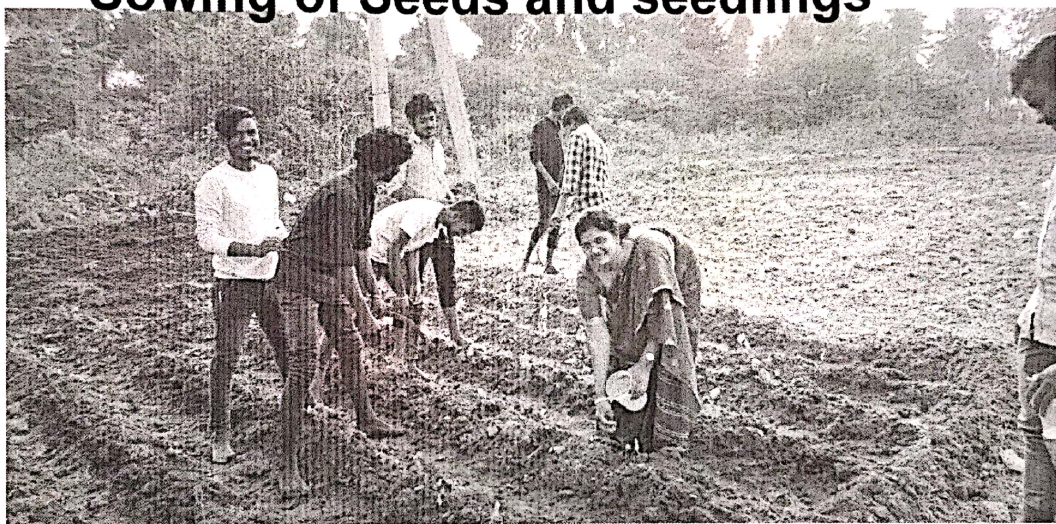


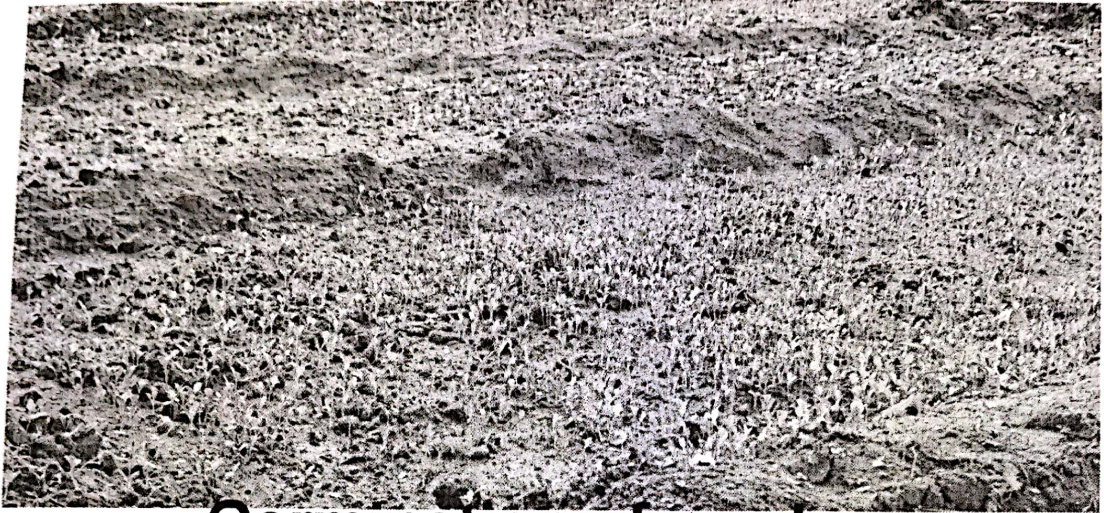
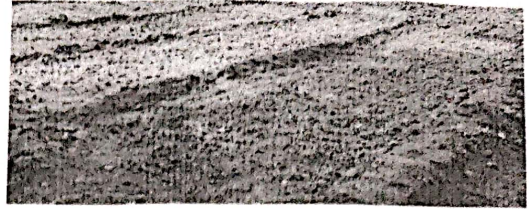
Preparation of land



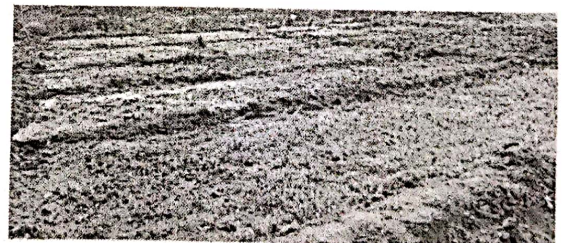
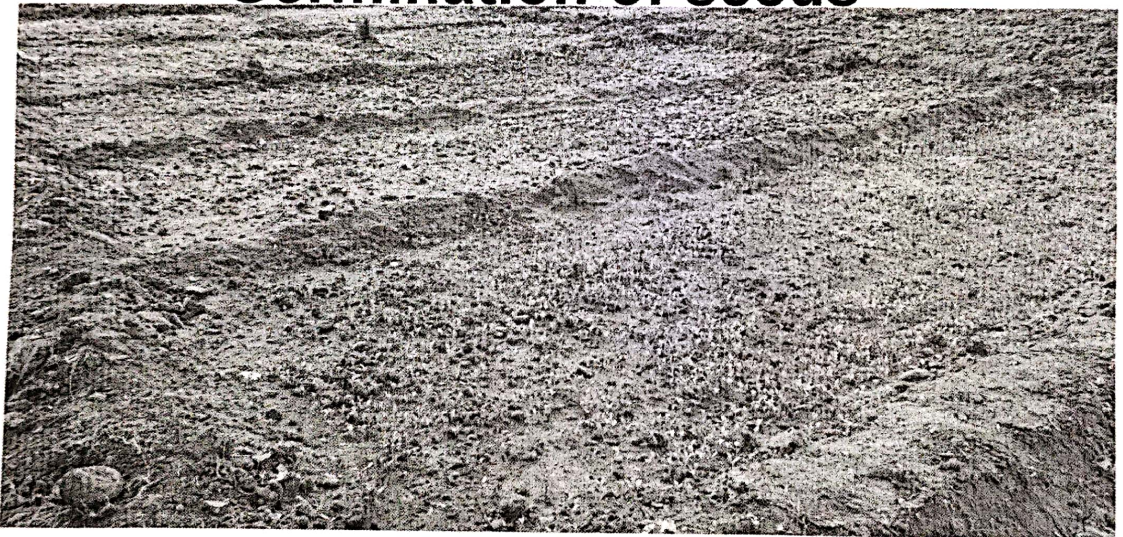


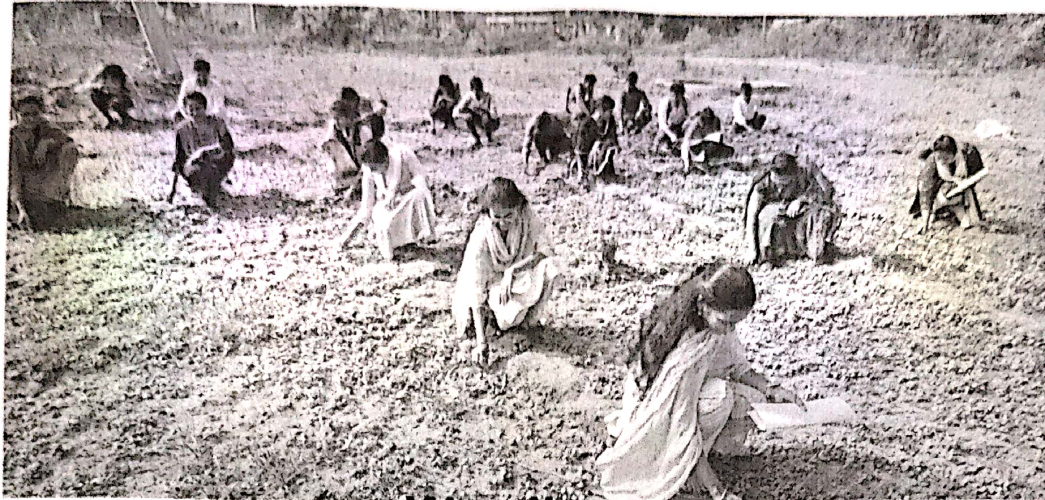
Sowing of Seeds and seedlings



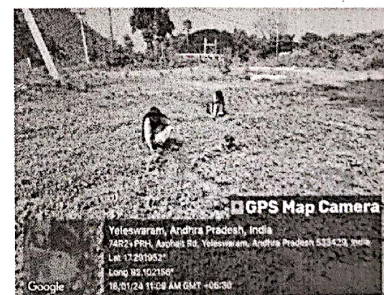
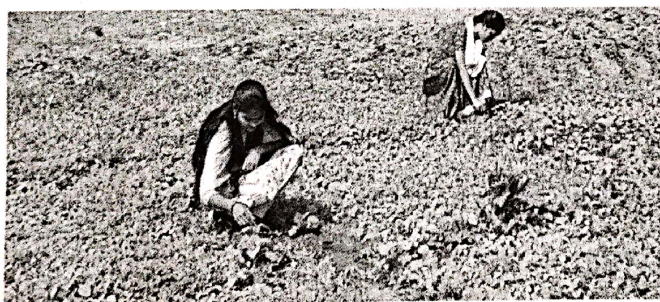
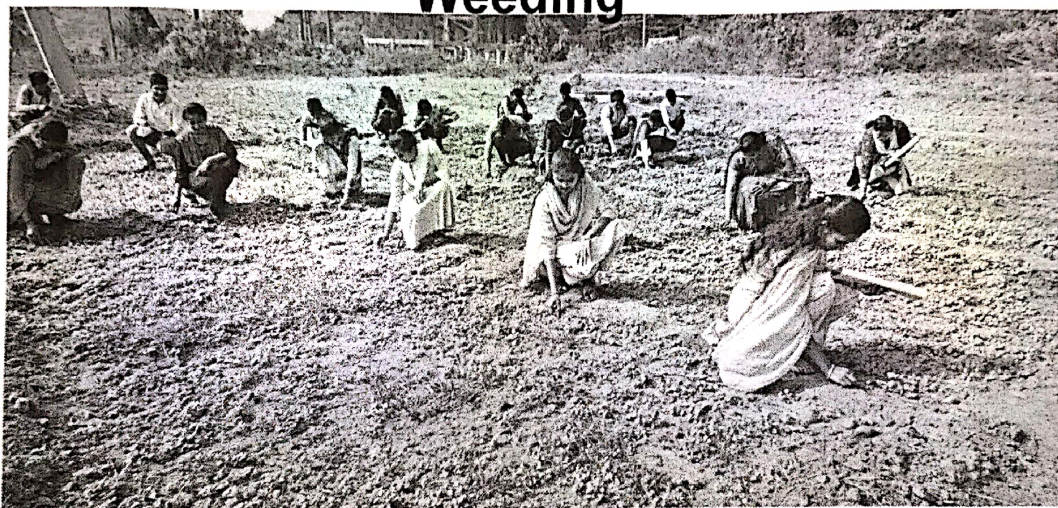


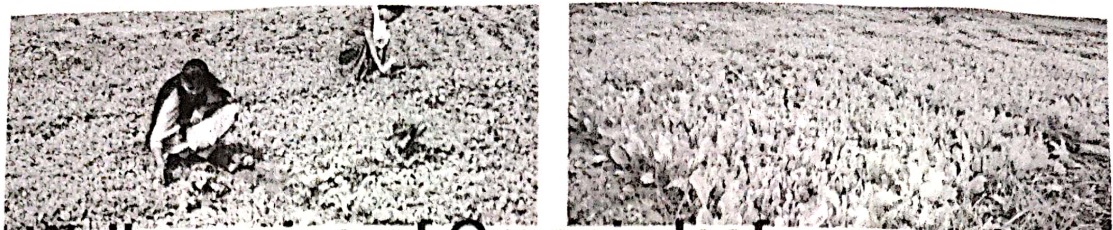
Germination of seeds



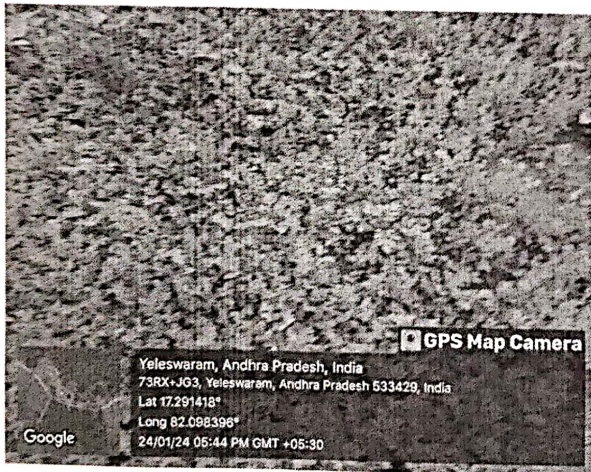


Weeding



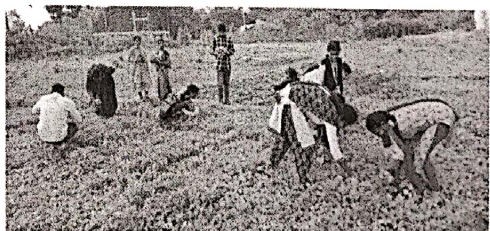
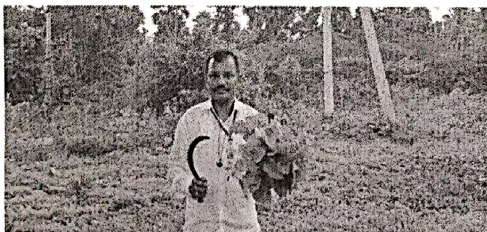
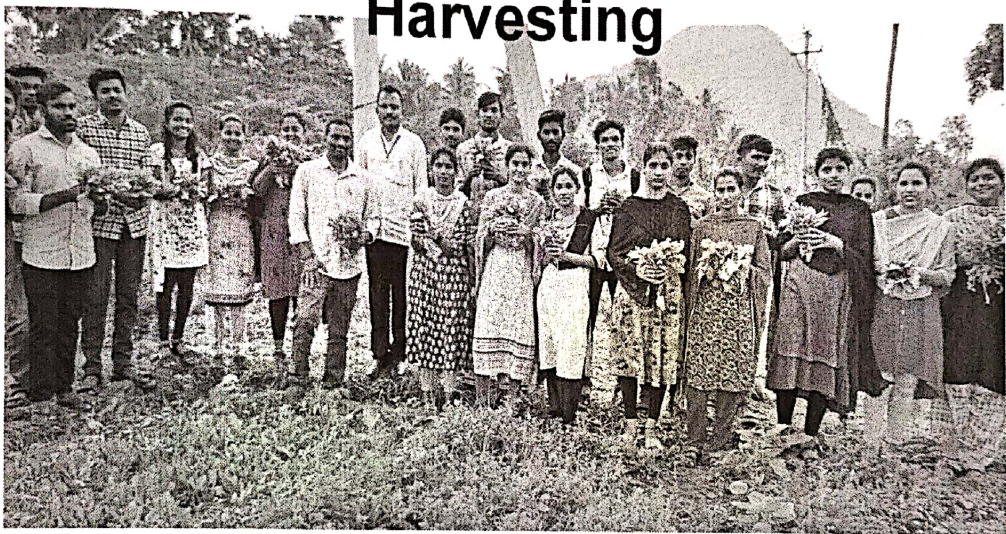


Well growing of Organic leafy vegetables





Harvesting



W. G. S. S.
A. S. S. S.
L. S. S. S.
W. S. S. S.
18/3/25