

1. Title: Optimum utilization of farm infrastructure to develop production, productivity and sustainability in a farm.

Objectives: To help the farmer, entrepreneur and students to get knowledge about improved farming, organic farming, sustainable farming and traditional farming.

- 1) To provide relevant education to the students and farmer in agriculture, processing and allied sciences.
- 2) To promote research and training on sustainable development of agricultural productivity, cost reduction in farming, farm mechanization and fishery.
- 3) To encourage the youth on entrepreneurship and rural development.
- 4) To provide consultancy in agriculture to disseminate the technology innovation to the producer through integrated extension activities.
- 5) To provide quality education in agriculture, horticulture, forestry, agricultural engineering and other allied activities.
- 6) To generate appropriate technologies to support sustainable growth of agricultural entrepreneurship and agribusiness.

Context:

Dahiwadi College, Dahiwadi is located in rural area. This college has developed 30 R intercropping of Custard apple Drumstick plot, 80 plants of Aonla plant (variety Narendra 6), 110 of Guava (variety-Taiwan pink, L-49, G Vilas, Barfkhana), 50 of Sapota (Variety-Kalipatti), 25 of Pomegranate (variety-Bhagawa), 25 of Apple ber, 15 of lime (Phule sarbati), 5 of Orange, Mamarind and Jamun.

The college has created a very spacious farm pond formed by the construction of a small dam. The water is usually harvested from a small catchment area and then used for irrigation during prolonged periods from pond stored. Water can be used for supplemental irrigation to crops.

In the college polyhouse/greenhouse cultivation practices on a different fruity vegetable and leafy vegetable likewise Cucumber, Ridge gourd, Bitter gourd, Cabbage, Cauliflower, Onion, Coriander, Fenugreek, and Lettuce are carried out as a part of practical.

The Practice:

The college farm is a 4 acre production unit and Polyhouse maintained by the dept. of B.Voc. in Agriculture and provides students and farmers with hands on experiences and training.

The college 4 acre agri farm and Polyhouse including an organic fruit orchard, vegetable production and fishery project. A number of students, farmers and also entrepreneur get idea as well as knowledge about organic farming, sustainable farming and improved farming. The college farm and polyhouse provides students with hands on experience regarding the growth of crops. Students and farmers are able to learn more about how plants thrive, what can damage their growth and how best to maximize yield in a crop.

Campus farms and polyhouse also provide benefits to the community. Although the main purpose of a campus farm/ polyhouse is for students to learn, they also provide opportunities for student can sell the for cash produce or other product produced by the farm. The farm grow fruits flower, vegetable, millets, pulses and oil seed crops. The farm hopes to implement renewable energy, vermicomposting, organic manure preparation, composting raw material of agriculture. The farm provides the college with a organic system of food production. Agricultural courses are offered on the farm and students may also use the farm for independent research and group study.

Research is conducted on the farm and here are classes schedule directly on the farm and providing students real-word situations in the areas of organic farming, sustainability and gardening practices.

The evidence of success:

Dahiwadi College has started B. Voc in Agriculture three year degree course and 20 students are the beneficiaries of this course. The course is important for the students from agriculture background.

Problems encountered and resources required:

1) Problems of Irrigation is an important problem among all the problems.

2) The environmental problem is mainly occurred by nature which mainly include problems of climate, diseases and pest.

3) The problems related market include low price of produced crop in the market, price fluctuations, distance of a market, market saturation.

2. Title : Karmveer Sports Academy

Objectives:

1. To provide good facility of sport to the villagers/ Students.
2. To give them chance to show their talents in sports.
3. To give them chance to contribute for nation.
4. To promote them to contribute in the rural area.
5. To make them aware of importance of sports and physical education.
6. To provide environment for sports by making available infrastructure, equipment and by offering training and provision of other facilities.

Context:

Man tehsil is continuous drought prone area of Satara district where in the schools, environment for sport is not properly organized. Due to economic constraints the parent/stakeholders are unable to purchase costly sports equipment. In this there was not a single academy made for offering training to the rural students. Our mother institute has decided to provide sport equipment and infrastructure viz. Basket ball court, Indoor sport Complex, 400 meter track for running, Cricket ground etc.

The Practice:

In India, sports facilities are generally available in urban areas. The rural students can not avail such facilities. By providing facilities at very low cost in nearby area, they enable themselves to show their talents in the sports at different levels such as taluka, district, zone, inter-zone, university, state, national and international competitions. The rural students are hard workers and they have passion towards sports. Their icon is in the same location i.e. Lalita babar, who has achieved a great success - a recipient of Arjun award from Govt. of India. We are proud of

Lalita Babar, who is ex-student of this college. Now-a-days sports is becoming career option for youth from rural areas. There are some reservations for sports persons in different government and non government organizations. Many students of this college have been selected in police and armed forces on the basis of sports.

Karmaveer Sports Academy has enhanced awareness among the people to participate in different training programs which is evident from the overwhelming response from the students in summer camp.

The evidence of success:

This scheme is found to be very successful in relation to those students who had thrust for sports. The existing facility provided by high schools was not sufficient for the students who wish to participate in higher levels of competitions. Therefore this institution has provided such facilities as Indoor sports complex, 400 meters track for running. Since the inception of this scheme the institution receives applications of students from the Dept. of physical education, followed by their selection and proper training is provided to them.

The results indicate that students are encouraged to participate in sports competitions viz. Athletics, Kabaddi, Cricket, Basket ball Sepaktakraw etc. Rural students have potential but they do not have physical facilities and they are unable to afford fees for such activities. This activity helps them to acquire livelihood and better life.

Problems encountered and resources required:

Economic condition of majority of the students is below poverty line. The equipment/kits are not affordable for them. Therefore many students cannot participate in different sport activities.

Parents from rural background are not aware of facilities provided by this institution. Funds required for maintenance of infrastructure is challenging aspect. Government funds are inadequate for maintenance of infrastructure.

There is recurring expenditure on purchase of sports kits/equipment. Coaches/trainers of different sport activities are not sufficient. This institution provides these facilities to the students of various colleges, high schools and Jr. Colleges.