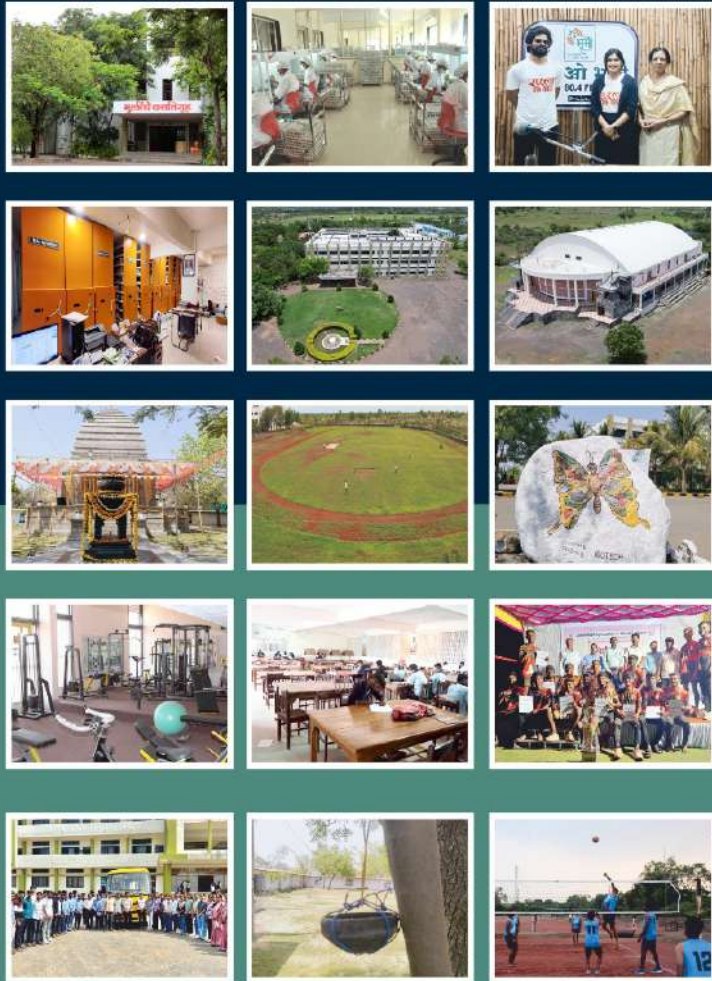


Campus Highlights



Empowering
Agriculture
Enriching Lives



Shriram Gramin Sanshodhan Va Vikas Pratishthan's
Lokmangal
College of Agriculture



(Affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri)

Wadala, Tal-North Solapur, Dist.-Solapur

B.Sc. (Hons.) Agriculture

College Code : 11140 (Est. 2008)



By MPKV, Rahuri



OUR CONTACTS

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www.lokmangalcolleges.org



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Course No. : SRP EL HORT 4011

Course Title : Nursery Management in Horticulture Crops

The main objective of the nursery management is to grow plants in an open environment, to maintain a good quality of plants and to protect the plants from pests and diseases. It was the responsibility of the commercial nursery growers to develop good quality of plants for their customers. Nurseries are very important so as to increase the farmers plantation production and income. Farmers can get properly grafted, layered or budded plants for their plantation as nurseries prefer scientific methods of propagation.

Our horticulture department have 20R Nursery area among that we have grafted 20,000 mango grafts, 5000 ornamental crops like Bouganvillea, Thuja, Golden Duranta & planted 20,000 vegetable seedlings like Tomato, Brinjal, Chilli, etc. Students of 14 group, actually carried out budding, grafting operations and other practices required for nursery management. Marketing of the grafted plants were done on social medias like YouTube, WhatsApp, and also in nearby villages like Wadala, Nannaj, Karamba, Gulwanchi, etc. Some places were targeted to sell grafted plants by installing stalls for selling.

No. of students : 11

Total expenditure : Rs. 1,33,290/-

Income : Rs. 1,90,000 /-

Net income : Rs. 56,710/-

Profit shared per student : Rs. 5155/-



Course No.: SRP-EL.HORT-4012

Course Title: Commercial Vegetable Production

The main objective of the vegetable production is to grow vegetable crops in fertile soil, maintain a good quality, high yield and protect the plants from pests and diseases. It was the responsibility of the commercial vegetable growers to develop good quality of vegetables for their customers. Vegetables are sold at a higher rate than other crops. It provides regular as well as good source of income. In our horticulture department (1 ha.) land cultivation of kharif vegetables like Tomato, Brinjal, Chilli, Cauliflower, Fenugreek, Cabbage, Coriander and Spinach was done. Students have done all the cultivation practices like transplanting of saplings, irrigation, fertigation, staking, harvesting as well as marketing of fresh vegetables at college campus, Wadala, Nannaj and APMC Yard, Solapur. For marketing of vegetables different social medias like YouTube, WhatsApp, Facebook also were used.

No. of Students registered for module - 11

Total expenditure :- 24,372/-

Gross income :- 1,15,423/-

Net income: Rs. 91,051/-

Profit shared per student :- Rs. 8277/-



About College and Campus

- Trusted educational institute for quality education in different education field
- Innovative teaching and learning process
- Good infrastructure with well-equipped laboratories
- Highly motivated, experienced and self-dedicated faculties
- Career development facilities for students
- Library with large collection of books
- Hostel, mess and canteen facility for boys and girls
- Computer and language lab with internet facility
- Good scope for exploring sports, cultural and other talents
- Educational visits to research institutes all over India
- Smart Classroom with CCTV surveillance

Institute level special scholarship for students : UDAN



Scope and Opportunities

- Proven prominent field for career development
- Career opportunities in research and development sector
- Opportunity to become an entrepreneur
- Eligible for appearing competitive exams like MPSC, UPSC, IBPS, SSC, Agril-MPSC, RRB etc.
- Opportunities to go for higher education with fellowship (ICAR, DBT, MCAER etc.)
- Job opportunities in government, semi-government and private agricultural as well as biotechnological companies
- Foreign opportunities for jobs and higher education

Achievements :

Students selection for higher education

M.Sc.	Ph.D.	Abroad University	Other Higher Education
125	20	40	235

Students achievements

Administration	65	Teaching	42
Banking	40	Marketing and Industries	145
Entrepreneurship	175		

- Students participation in intercollegiate, inter-university and national level sports competition

Course No.: SRP-EL.ENTO-408
Course Title: Silkworm Cocoon Production Technology

Sericulture is multidisciplinary activity consists of mulberry leaf production, silkworm rearing (cocoon production), silkworm egg production. For that purpose, there was a group of 14 students. Students used to do various field operations like training, pruning, weeding, drenching with fertilizers to the mulberry plants. And also feeding of Mulberry shoots to the caterpillars, dusting of Vijetha powder and Lime powder on the rearing bed while Silkworm rearing. Sericulture is a two way farming means we have to cultivate mulberry and do silkworm rearing simultaneously. Sericulture can be taken as allied enterprise as we have done silkworm rearing along with Mushroom Cultivation. We can earn in thousands in just one month with the help of Sericulture. We have purchased 100 dfls Silkworm Chawki's (50,000-60,000 Silkworm caterpillars) twice for two silkworm rearing cycles from Adlinge's Chawki Rearing Centre, Bhogaon at the Cost of Rs. 2800 & Rs.3000 respectively. Then throughout silkworm rearing we have conducted feeding of mulberry shoots, Vijetha dusting, Lime dusting, etc. We have gained the production of 58Kg Cocoons from 100 dfls. Marketing of Cocoons was done at Solapur Railway Station to Mr. N. N. Chaudhari owner of Chaudhari Cocoon Purchasing Centre, Murud.

Weight of cocoons : 40 Kg

No. of Bags : 4 (Per Bag 8-10 Kg Cocoons)

Grade of Cocoons : A

Rate Per Kg. : Rs. 450

Total Earning : Rs. 18,000/-

**Total expenditure to rear 200 dfls of Silkworm
from May 2025 to Jan 2026 was Rs. 15,000/-**

Income from 200 dfls Rs. 48,000/-

Net income : Rs. 33,000/-

No. of student : 10

Profit shared per student : Rs. 3,300/-



ELP Module : 1
Module Name: Processing of Milk and Milk Products
Module No. SRP- 405

In India, about 60% of milk is consumed in liquid form, while the remaining 40% is used in the form of butter, clarified butter (desi ghee), cheese, curd, paneer, ice cream, dairy whiteners and traditional sweets. Of the milk produced, 40% is used or consumed on farm and 60% is sold. Of the milk sold, 70% goes through unorganized sector and only 30% via the organized sector. About 50% of total milk produced in India is converted into traditional Indian dairy products.

Lokmangal Agricultural College, Wadala, Dairy Processing Module is conducted in every semester under the Department of Animal Husbandry and Dairy Science. Students were provided excellent opportunity to develop analytical and entrepreneurial skills. Experience, confidence in their abilities, professional skills, entrepreneurship, knowledge and marketing skills are encouraged.

A separate laboratory is available to the students under the Dairy Processing module and is well equipped with all the equipments. Certification, sterilization of milk, and scientific preparation of milk products like khoa, pedha, basundi, gulab jamun, rasogulla, paneer, shrikhand, lassi, whey, butter, ghee, kulfi ice cream etc. are imparted. Market Survey was conducted in Solapur city for selling of these dairy products. Marketing was done in College campus, in nearby villages like Wadala, Nannaj, Karamba, etc. Social Medias were also used for marketing of these dairy products.

No. of Students registered for module : 11

Total expenditure (Rs.) : 42,408/-

Gross income (Rs.) : 69,590/-

Net income (Rs.) : 26,788/-

Profit shared per student (Rs.) : 2,426/-



Course No.: SRP-EL.SSAC-407

Course Title: Soil, Water, Plant & Fertilizer analysis

Soil, plant, water and fertilizers are the major ingredients of interest in agriculture system. Analysis of soil, plant and water as natural resources is of utmost importance in regard to conservation strategies. The fertilizers are invariably used for supplying the nutrients to growing plants.

Soil analysis is a valuable tool for our farm as it determines the inputs required for efficient and economic production. A proper soil test will help to ensure the application of enough fertilizer and to meet the requirements of the crop while taking advantage of the nutrients which are already present in the soil.

The camp was conducted for soil and water testing in villages of Mohol, North Solapur, South Solapur tahasils from where we collected soil and water samples for analysis. In camp we told importance of soil, water, plant and fertilizer analysis for farmers. For soil and water testing demonstration purpose we used soil mobile van.

1. Estimation of the available nutrient's status of soil
2. Evaluation of the suitability of soil for laying of garden
3. Determination of acidity, salinity and alkalinity problems
4. Recommendation of the required number of fertilizers, lime or gypsum based on soil test value.

No. of Students registered for module - 11

Total number of samples : 603 (water sample-173 + soil sample - 430)

Total expenditure : 74,880/-

Gross return : 1,24,800/-

Net income : Rs. 49,920/-

Profit shared per student : Rs. 4,538/-



Course No.: SRP-EL.AGRO-4014

Course Title: Commercial production of organic inputs

VERMICOMPOST :

Vermicomposting is a simple biotechnological process of composting, in which certain earthworms are used to enhance the process of waste conversion and produce a better end product. Vermicomposting differs from composting in several ways (Gandhi *et al.* 1997). It is a mesophilic process, utilizing microorganisms and earthworms that are active at 10-32°C (not ambient temperature but temperature within the pile of moist organic material). The process is faster than composting; because the material passes through the earthworm gut, a significant but not yet fully understood transformation takes place, whereby the resulting earthworm castings (worm manure) are rich in microbial activity and plant growth regulators, and fortified with pest repellence attributes as well! In short, earthworms, through a type of biological alchemy, are capable of transforming **garbage into 'gold'**. In our college for vermin composting *E. foetida* spp. of earthworms were used. In this module all operations like erection of beds, bed filling, watering to beds, sieving of vermicompost, bagging, packaging and marketing were carried out by 14 students.

Marketing of the vermicompost was done in Solapur city, College premises & Wadala and conducted vermicompost application awareness program for farmers in Wadala.

No. of Students registered for module - 11

Total production : 15 tones

Rate per kg : Rs. 10/-

Total expenditure : 60,000/-

Gross return :- 1,25,000/-

Net income: Rs. 65,000/-

Profit shared per student :- Rs. 5,909/-



Course No. : SRP-EL. PATH 407
Course Title : Bio-fertilizers Production

Bio-fertilizers are selective live micro-organism like bacteria, fungi and algae. They provide a cost effective, eco-friendly & renewable source of nutrients. They play a vital role in improving soil fertility and ensure maintaining long term sustainability

Bio-fertilizers help in fixing atmospheric nitrogen, converting soil phosphate and potash into soluble forms to make them available to plants. Continuous use of bio-fertilizers makes the soil rich in essential nutrients, which promotes good yield. The bio-fertilizer can be manufactured both in solid as well as in liquid form.

Our institute have started this laboratory in the year 2017-18. Various types of Biofertilizer were produced in our biofertilizer laboratory. **Rhizobium, Azotobacter, Azospirillum, Potash Mobilizing bacteria & Phosphate Solublizing bacteria** were produced in liquid as well as solid forms. Approximate production per month for each type of biofertilizer is near about 750 liter or kg. Marketing were done on social medias like YouTube, Facebook, Whatsapp, etc. in nearby villages also like Wadala, Nannaj, Karamba, etc. Special programs were conducted for promoting use of biofertilizers among farmers. Awareness about advantages of biofertilizers and avoiding use of chemical fertilizers were also done while marketing.

No. of students : 11

Total expenditure : Rs. 65,390/-

Net income : Rs. 90,715/-

Net Profit : Rs. 25,325/-

Profit shared per student : Rs. 2,302/-



Course No. : SRP-EL. PATH 406
Course Title : Mushroom Cultivation Technology

Mushroom cultivation is an upcoming source of alternative income for many agricultural entrepreneurs in India. So in our college Oyster Mushroom Cultivation was carried out as the temperature and humidity required for Oyster Mushroom was easily available in our region. For that, a group of 14 students worked on the Cultivation of Oyster Mushroom.

For that consequencely sterilization of Mushroom Laboratory, sterilization of soybean straw, bag filling, spawning and incubating bags for 15 days for proper mycelium growth in dark room was carried out. Total 130-140 bags were filled from 40 Kg spawn of *florida* and *sajor kaju* species of oyster mushroom. After incubation, mycelium growth was observed and then daily watering and harvesting of mushrooms were done. Marketing of mushrooms were carried out in College campus, in nearby villages like Nannaj, Wadala, Gawadi Darphal, Karamba, Gulwanchi by door to door selling. Marketing on social media like Facebook, Whatsapp, YouTube was done. Directly Seller to Consumer pattern of marketing channel was used as there's no awareness about eating of mushrooms. Mushroom Awareness programs also conducted. Market Survey was carried out in Solapur city's 5 Star hotels. Marketing helped us a lot to influence people about the medicinal importance of mushrooms.

No. of students : 11

Total Production : 150 Kg Mushrooms

Rate Per Kg : Rs. 300/-

Total expenditure : Rs. 15,650/-

Total income : Rs. 45,000/-

Net Profit : Rs. 29,350/-

Profit shared per student : Rs. 2,668/-

