

CRITERION 7

INSTITUTION VALUES AND BEST PRACTICES

7.1.10: Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Photos and Brochures of Initiatives arranged year-wise

- 1) 2014-15
- 2) 2015-16
- 3) 2016-17
- 4) 2017-18
- 5) 2018-19



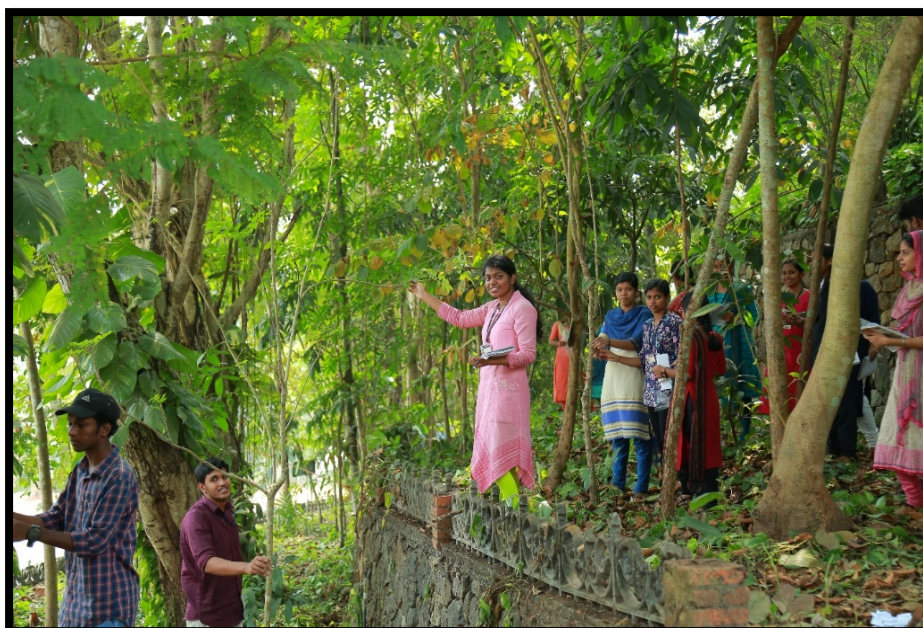


2014-2015

1. Accommodation facility for girls-2014-2019



2. Arboretum 2014-2019





3. Botany teachers and students go on a field collection every year to areas rich in biodiversity 2014-2019





4. Zoology students are taken for a 3-day Nature Study Camp every year with government support to various wild life sanctuaries and reserve forests





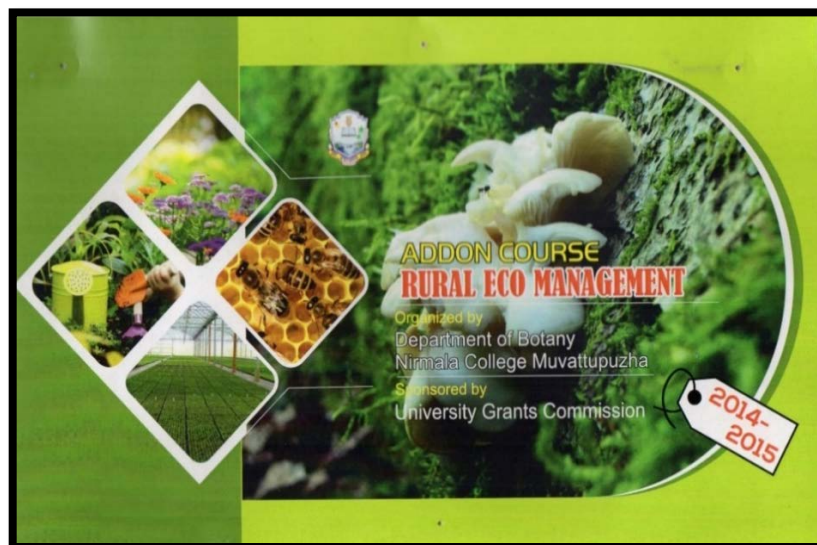
5. We provide our playground space to nearby schools for their regular practises and annual sports meet 2014-2019



6. Basketball nets and volley ball court- 2014-2019



7. Add-on courses in Mushroom cultivation, Apiculture- 2014-2019



SYLLABUS CERTIFICATE COURSE		
TOTAL CREDITS – 20		
Subject1	: Information Technology	: 5 Credits
Subject2	: Floriculture	: 2 Credits
Subject3	: Gardening	: 3 Credits
Subject4	: Mushroomcultivation	: 2 Credit
Project/fieldwork/ Training based on the above units		: 8 Credits
SYLLABUS DIPLOMA COURSE		
TOTAL CREDITS: 20		
Subject 1	: Plant Propagation Methods	: 2 Credits
Subject 2	: Plant growing structures	: 2 Credits
Subject 3	: Fundamentals of plant tissue culture	: 3 Credits
Subject 4	: Tissue Culture Media preparation	: 2 Credits
Subject 5	: Medicinal plants in folk tradition	: 3 Credits
Project/training /field work: Based on the above units		: 8 Credits
SYLLABUS ADVANCED DIPLOMA COURSE		
TOTAL CREDITS- 20		
Subject 1	: Apiculture	: 3 Credits
Subject 2	: Mushroom Cultivation	: 5 Credits
Subject 3	: Mushroom in human nutrition	: 1 Credits
Subject 4	: Food preservation : principles and methods	: 2 Credits
Subject 5	: Research methodology	: 1 Credit
Project/training / field work: Based on the above units		: 8 Credits



MUSHROOM CULTIVATION:

A mushroom is the fleshy, spore-bearing fruiting body of a fungus. Mushrooms are being used as food and medicine. Their cultivation on extensive scale can help solve many problems of global importance. Edible mushrooms contain a high percentage of protein, all indispensable amino acids, and vitamins B-complex and other biochemical compounds. Consumption of mushrooms slows down the spread and effect of cancer, heart disease and HIV/AIDS by boosting immune system.

APICULTURE

Beekeeping (apiculture) is the maintenance of honey bee colonies. A beekeeper keeps bees in order to collect the honey and other products including beeswax, pollen, and royal jelly that the hive produces, to pollinate crops, or to produce bees for sale to other beekeepers. Natural honey is sweet, pleasant smelling, and delicious. It can also be artificially and naturally flavoured with nuts and spices.

GARDENING

Gardening is the practice of growing and cultivating plants as part of horticulture. In gardens, ornamental plants are often grown for their flowers, foliage, or overall appearance; useful plants, such as root vegetables, leaf vegetables, fruits, and herbs, are grown for consumption, for use as dyes, or for medicinal or cosmetic use. Gardening is considered to be an activity of relaxation for many people. Gardening may be very specialized, with only one type of plant grown, or involve a large number of different plants in mixed plantings.

TISSUE CULTURE

Tissue culture is the growth of tissues or cells separate from the organism. This is typically facilitated via use of a liquid, semi-solid, or solid growth medium, such as broth or agar. Tissue culture commonly refers to the culture of plant tissues. Tissue culture can be used to develop plant saplings for cultivation.



8. Civil service coaching- 2014-2019



9. Our college offers a Bachelors of Degree programme in Travel, Tourism and Management (BTTM).

TOURISM DIVISION	
4. Ms. Ancy John	MTA (Course Coordinator)
5. Ms. Anjali R.	MTM
6. Mr. Dinu Dennis	MMH.....
7. Mr. Sankar P.D.	M.Com., MBA
8. Ms. Diya Mathew	MBA(Tourism)

10. Provide facilities for Annual Training Camp- 2017 (NCC)-
08.09.2014







11. Blood donation camp- 27.11.2014







2015-2016

**12.Santhukadu Eco Restoration Project Conservation of Sree Durga
Bhadra Naga Temple Sacred Grove by Department of Zoology-
01.07.2015**





13.Sacred grove conservation workshop and biodiversity documentation programme-14.11.2015



14. Stem Cell Donation Awareness and Donor Registration Camp- In Association with DATRI, Santhigiri College, Vazhithala- 26.11.2015



15. Blood donation camp-09.12.2015





16. Jawaharlal Nehru national Science, mathematics and Environment exhibition for children- 16-22.12.2015







17. IGNOU centre- 2015-2019



18. Biogas- 2015-2019



19. Herbal Garden- September 2015- 2019





20. Spices garden- 2015-2019



**21.College organizes many road safety awareness programmes-
13.01.2016**





22. Butterfly Garden by department of zoology in Coordination of Ecoclubs of nearby schools- 12.06.2016

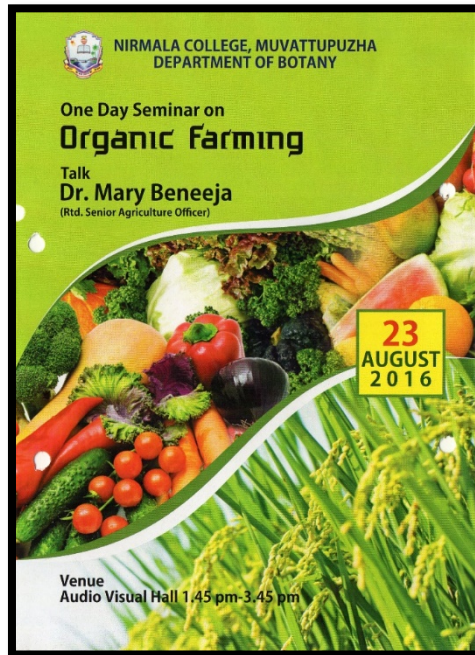






2016-2017

24. Training in Organic farming- 23.08.2016





26.Paithrukam- Exhibition of traditional household items- 15- 20.11.2016







27. Vegetative Propagation and Organic Farming- 15-19.11.2016



28. Vermicompost- 2016-2019



29. Rain water harvest- 2016-2019





30. Survey programmes in rural area-2016





31. Establishment of pulverization unit- Pulverised plastic bottles are used in road construction-2017-2019





**32.Sensitisation on rice cultivation at Randarkkara, muvattupuzha-
27.01.2017**







2017-2018

33. Bamboo planting in Muvattupuzha river side-17.08.2017





34. Training programme on cloth carry bag making- 17.08.2017





35. Apiculture training-13.09.2017

DEPARTMENT OF BOTANY
NIRMALA COLLEGE, MUVATTUPUZHA

APICULTURE AND APITHERAPY

13
SEPTEMBER
2017

Mr. Benny Daniel
Programme Manager Hortcorp, Thiruvananthapuram

Venue: Nirmala College Auditorium
Mr. T.K.Ravindran, Mr. Sugathan T.M.



39. Cleaning of public water reservoirs- 26.12.2017





40.Mushroom cultivation training- 05.01.2018







41. Apiculture training- 18.01.2018







42.Branding and Selling of rice- 16.09.2018





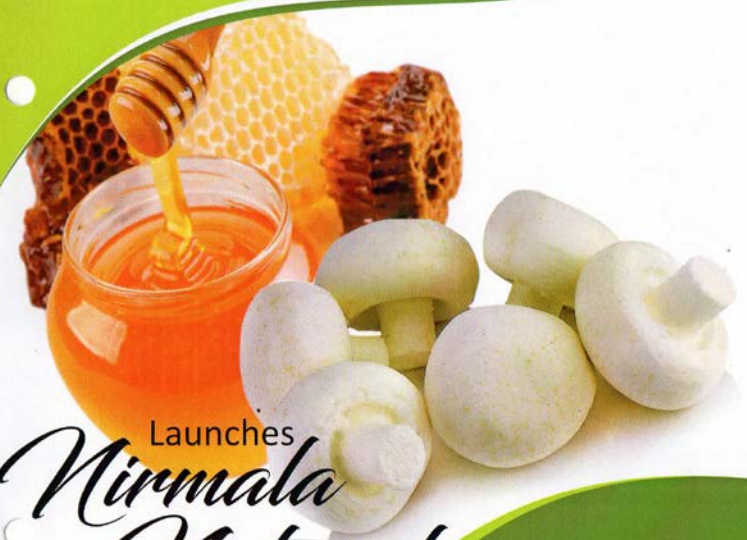


2018-2019



**43. Mushroom sale (Nirmala naturals) inauguration by Asha Sanil
(District Panchayath President, Ernakulam)- 25.01.2019**

DEPARTMENT OF BOTANY
NIRMALA COLLEGE MUVATTUPUZHA



Launches
*Nirmala
Naturals*

(Nirmala College campus made organic mushrooms,
pure honey and mushroom spawn)

Inauguration by
ASHA SANIL
(District Panchayath President)

25
JANUARY
2019

Time: 10.30. am
Venue: Vallamattom Hall

