Samridhi food fish culture unit

Food security through fish culture

Fish culture in controlled or artificial conditions is an easy way of increasing fish production and its availability for consumption. With this intention, the Samridhi fish culture unit was established in January 2019.

Fish culture at St. Mary's is bonded up with waste management also. The amount of food waste generated daily is immense and here through fish culture a viable alternative approach is attempted. We attempt a sustainable practice in line with the Swachh Bharat Mission, by promoting food waste management and self-sufficiency by converting food waste to high protein fish flesh

Samridhi food fish culture unit

Harvesting of fish

Monsoon fest 2019

Ornamental and Food fish cultured in the department was exhibited and sold in the Monsoon fest 2019. Fighter fish breeding, culture of live breeders and culture of glod fish was done in the department.

Food fishes like tilapia and pangasius were reared under controlled conditions by the students and marketed in the monsoon fest on 26/7/2019. Fish was harvested after a period of 5 months culture. 33kg of fish was harvested. The harvested fish were sold.

The department envisages training in food fish culture and higher production and availability of unadulterated fish for the stakeholders and the local community

Breeding of fighter fish

Exhibition and sale of ornamental fish

Sale of food fish

Aquarium manufacture -18/12/2019

Commercial ornamental fish farming is a booming success today. Glass tanks of varying size are required for ornamental fish culture. Students were given a workshop on construction of aquarium tank by our alumnae Athira Radhakrishnan.


Training in construction of aquarium tank by Alumnae Athira Radhakrishnan


Students makimg aquariums

Fly a Butterfly 2019-20

Butterfly conservation is today an important element of ecological stabilization. India possess numerous butterflies which are rare and unique. Due to habitat loss and pollution there is severe decline in butterfly population which is also indicative of habitat degradation. The department ensures the conservation of habitat through maintenance of butterfly gardens. The butterflies are also subjected to attack by different types of predators the fly a butterfly Programme is an attempt to protect the pupa and release the butterfly as a conservation measure.

Butterflies were reared and released as a part of fly a butterfly program. A conservation program for sustaining indigenous butterflies.

Butterfly larva reared in the Shalabha Butterfly Graden

Butterfly Pupa in the Shalabha Butterfly Graden

Pupa attacked by ants

Demonstrative classes on butterfly conservation

Launching of Massive open online Course on Applied and Economic Zoology in the SWAYAM portal

SWAYAM is a programme initiated by Government of India. The objective of this effort is to take the best teaching learning resources to all.

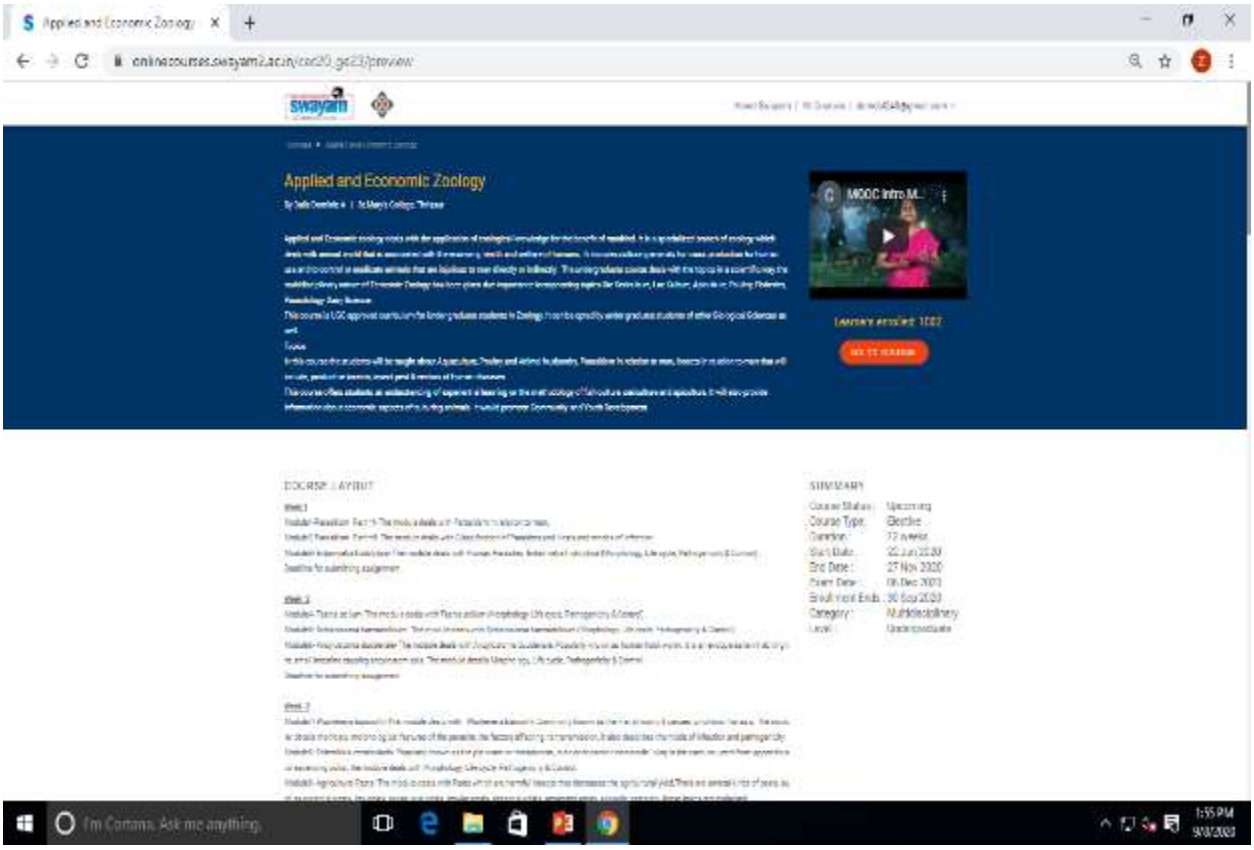
This is done through a platform that facilitates hosting of the courses. All the courses are interactive, prepared by teachers in the country and is available, free of cost to any learner The courses hosted on SWAYAM are in 4 quadrants – (1) video lecture, (2) specially prepared reading material that can be downloaded/printed (3) self-assessment tests through tests and quizzes and (4) an online discussion forum for clearing the doubts.

Applied and Economic Zoology MOOC Course proposal was submitted by Dr. Dalie Dominic A, Department of Zoology, St. Mary's College, Thrissur on 15/11/17. The MOOCs project proposal was approved by the Consortium for Educational Communication (CEC), New Delhi on 26/6/2018 and developed by Educational Multimedia Research Centre, University of Calicut

The MOOC course on Applied and Economic Zoology was launched on 17/5/2020 in the SWAYAM Platform. It deals with the application of zoological knowledge for the benefit of mankind. It is a specialized branch of zoology which deals with animal world that is associated with the economy, health and welfare of humans. It includes culturing animals for mass production for human use and to control or eradicate animals that are injurious to man directly or indirectly.

The undergraduate course deals with the topics in a scientific way, the multidisciplinary nature of Economic Zoology has been given due importance incorporating topics like Sericulture, Lac Culture, Apiculture, Poultry, Fisheries, Parasitology Dairy Science.
This course is UGC approved curriculum for Under graduate students in Zoology. It can be opted by under graduate students of other Biological Sciences as well.

LINK https://onlinecourses.swayam2.ac.in/cec20_ge23/preview


Applied and Economic Zoology
swayam
Applied and Economic Zoology
MOOC Intro M...
COURSE LAYOUT
SUMMARY
Course Status : Upcoming
Course Type : Elective
Duration : 12 weeks
Start Date : 22 Jun 2020
End Date : 27 Nov 2020
Exam Date : 06 Dec 2020
Enroll now! Ends : 30 Sep 2020
Category : Multidisciplinary
Level : Undergraduate
I'm Cortana. Ask me anything.
1:55 PM