



1. TITLE OF PROGRAMME: Aquaculture and Integrated Farming

2. DATE: 03.10.2023

3. VENUE: Asutosh College 2nd Campus at Bhasa, South 24 Parganas.

4. PURPOSE OF THE PROGRAMME:

- Introducing sustainable practices of aquaculture and integrated fish farming;
- Stocking of fish seeds and plantation of vegetables, crop plants and fruit plants.

5. ACTIVITIES:

- Academic session for students.
- Annual fish seeds stocking: 10 kg of fish seed comprising of *Rohu*, *Catla* and *Mrigal* fish seeds at fingerling stage stocked.
- Various vegetables and crop plants like legumes, papaya, etc., planted along the periphery, i.e., in the dyke of the aquaculture ponds.
- Aquatic weeds of the ponds removed manually.
- Fertilizers provided to the existing crop plants.

6. ACADEMIC SESSION:

- i. Integrated fish-farming was explained to the participating students.
- ii. Natural biota involved in the aquaculture and integrated fish farming projects was diagnosed to the students.

7. OBJECTIVE/ PURPOSE:

- i. To create awareness among students regarding the potentialities of aquaculture and integrated fish-farming.
- ii. To stock the fish seeds of Indian Major Carps in the aquaculture pond.
- iii. To plant seedlings of vegetables, crop plants.
- iv. To eradicate the aquatic weeds in the aquaculture pond.
- v. To provide fertilizers to the existing crop plants.



8. SPEAKER/S / RESOURCE PERSON/S:

- i. Ram Krishna Das, Asst. Professor, Dept. of IFF
- ii. Utpal Kumar Barman, Asst. Professor, Dept. of IFF
- iii. Mukti Chanda, SACT I, Dept. of IFF
- iv. Vincent Shouvik Gomes, SACT II, Dept. of Microbiology

9. TARGET AUDIENCE/ PARTICIPANTS: Students of the Dept. of Industrial Fish and Fisheries

10. ATTENDANCE SHEET: Attached

11. BRIEF REPORT ABOUT THE EVENT/ PROGRAMME: The event was organized to renovate the already running project namely “Aquaculture and Integrated Farming Project” at the 2nd campus of the Asutosh College, Bhasa, South 24 Parganas. A total of four faculty members of the departments of IFF and Microbiology, Asutosh College and three non-teaching staff members conducted the event. A total of 22 students of the department of the Industrial Fish and Fisheries participated in this learning project. In that event 5 kgs of fish seeds of Indian Major Carps at fingerlings stage were sourced from a fish market at Naihati and transported to the 2nd campus of the Asutosh College early in the morning on 3rd October, 2023. The fish seed was released into the pond water after gradual acclimatization to the pond water. After stocking of the fish seeds in the pond, aquatic weeds were also removed manually/mechanically. In addition, the crop plants, vegetable seedlings and other fruit plants were also planted on the dyke of the pond. Further, the existing crop plants were provided with fertilizers to promote growth.

12. EXPECTED OUTCOME: Students of the Department of Industrial Fish and Fisheries would be made aware of the various occupation/livelihood-based potential of fisheries. The objective of the project is the maximum utilization of the resource to make the project profitable and sustainable.

13. GEO-TAGGED PHOTOGRAPHS



Image 1: Release of fish seeds to the ponds by faculty members



Image 2: Plantation along the pond dyke by faculty members and students



Image 3: Plantation along the pond dyke by faculty members, non teaching staff and students



Image 4: Plantation along the pond dyke by faculty members and students



Image 5: Plantation along the pond dyke by students



Image 7: Fertilizing the soil by faculty member, non-teaching staff, and students



Image 8: Fish seed stocking of the pond by faculty members and students