



Rayat Shikshan Sanstha's

D.P. Bhosale College, Koregaon

Department of Zoology

NOTICE

2021-22

Date:- 03/01/2022

All the teaching faculty of B.Sc. Part I are hereby informed that Department of Zoology organizes their Educational Tour on **Wednesday, 05/01/2022** at **Chimangaon Fish Farm, Tal – Koregaon , Dist. Satara**. All faculty are here by informed that students should remain absent for their respective theory and practical on that day only.

Javale
Head,

Department of Zoology

Head, Department of Botany

Head, Department of Chemistry

Head, Department of English

Head, Department of Microbiology

Head, Department of Physics

Kawapoj a
[Signature]
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स्थापना: १९६८



“स्वावलंबी शिक्षण हेच आमचे ब्रीद” – कर्मवीर

रयत शिक्षण संस्थेचे,

डी. पी. भोसले कॉलेज, कोरेगाव

ता. कोरेगाव, जि. सातारा, ४१५ ५०१, महाराष्ट्र, (भारत)

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कला, वाणिज्य, विज्ञान, बीसीए, बी.व्होक. (सस्टे. अॅग्री)

नॅक पुनर्मूल्यांकन : ‘अ’ श्रेणी (3.12 CGPA)

ISO 9001:2015 Certified

संलग्नित – शिवाजी विद्यापीठ, कोल्हापूर * विद्यापीठ मान्यता क्रमांक : युकेएफ/७५६९/११५२९-वाय * ज्युनिअर कॉलेज इंडेक्स : क्र. जे.२१.०५.००१

प्राचार्य, डॉ. विजयसिंह एस. सावंत एम.एस्सी., पीएच.डी.

जा.क्र. समझ / 2021-22

दिनांक : 04/09/2022

प्रति,

श्री विरसिंह प्रतापराव जाधव,

चिमणगाव (Biotech Fish Farming)

विषय- आपले Biotech Fish Farming युनिट B.Sc Zoology च्या विद्यार्थ्यांना दाखवलेबाबत आभार पत्र .

महोदय,

वरील विषयानुसार आमच्या महाविद्यालयातील B.Sc I Zoology च्या विद्यार्थ्यांना दि.०५/०९/२०२२ रोजी आपण आपले Biotech Fish Farming, चिमणगाव युनिट दाखवले व विद्यार्थ्यांना त्याचे मार्गदर्शन केले त्या बददल आम्ही आमच्या महाविद्यालयाच्या व झुलॉजी विभागाच्या वतीने आभारी आहोत.

कळावे,

आपला विश्वासू,

प्राचार्य,

डी.पी.भोसले कॉलेज,कोरेगांव
जि.सातारा

२५/०९/२०२२

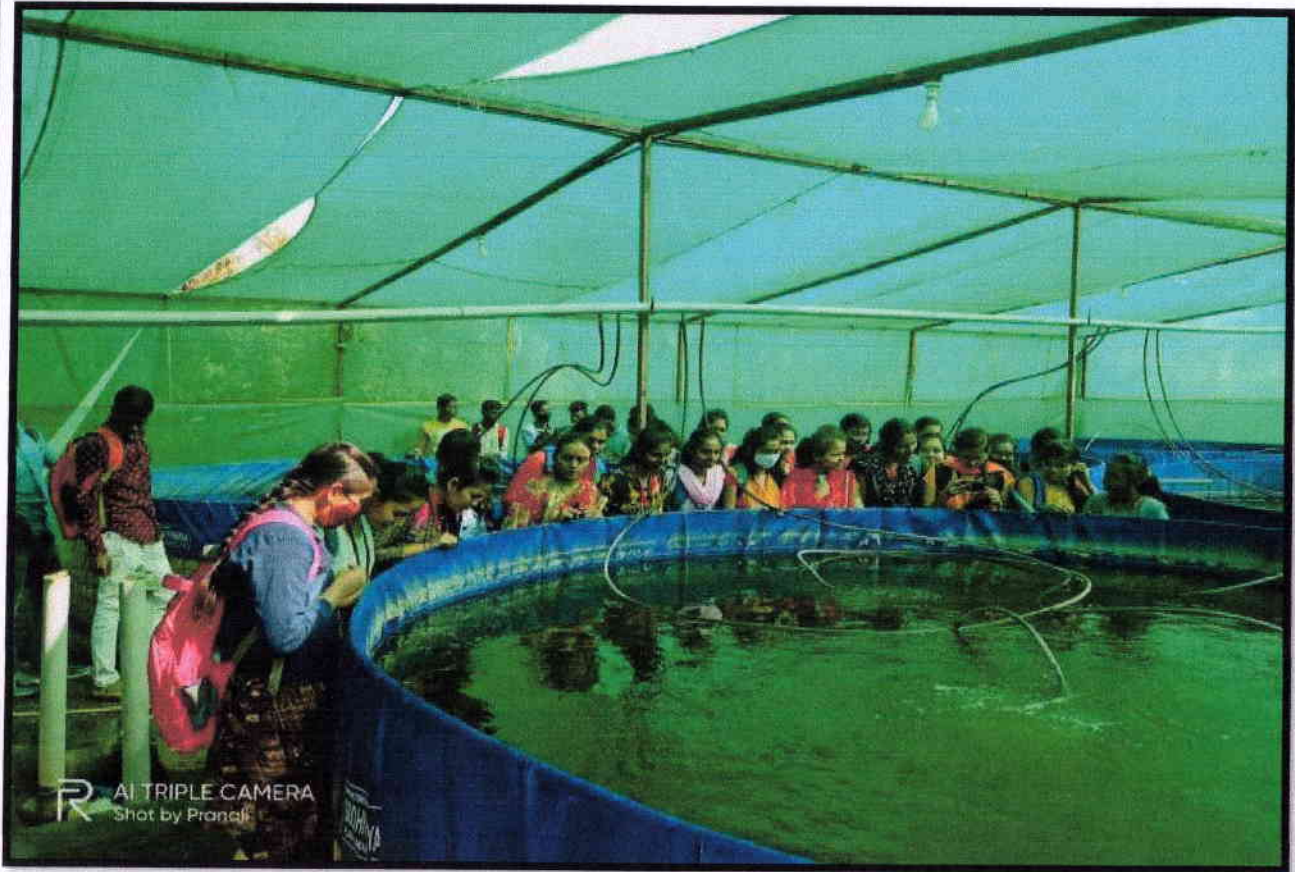


Rayat Shikshan Sanstha's
D.P. Bhosale College, Koregaon
Department of Zoology
Visit to Fish Farm at Chimangao
5th January 2022



Information delivered by Mr. Jadhav



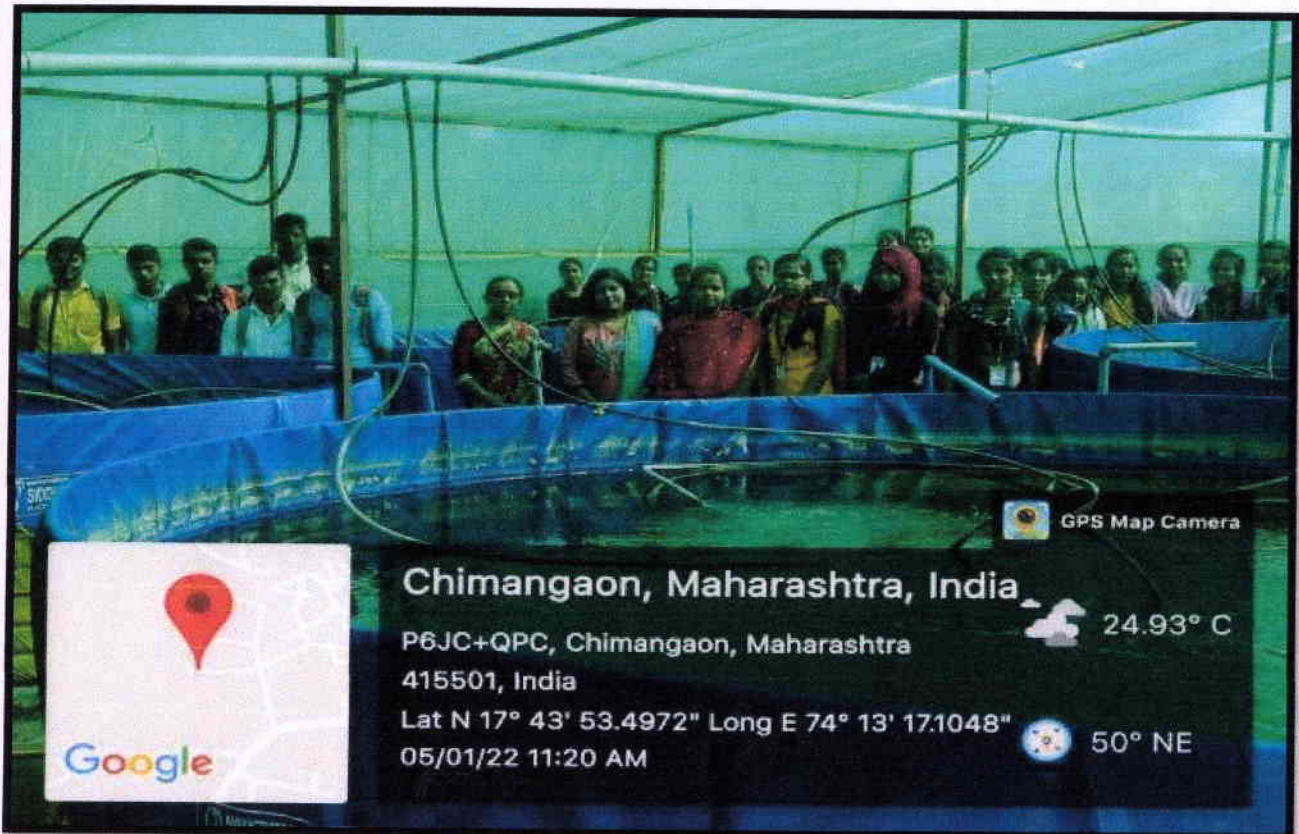


Stalking pond observation by Students





Vote of thanks



Group Photo



Rayat Shikshan Sanstha's

D.P. Bhosale College, Koregaon

Department of Zoology

Educational Visit to Production Center, Chimangao

Visit to fish farm is compulsory as per the Shivaji University, Kolhapur Zoology Practical I Curriculum. So study of B.Sc. I Zoology students was organized by the Department Of Zoology Fish Production Centre; Chimangao; with the prior permission of Rayat Shikshan Sanstha Satara. Chimangao is about 05 km away from the Koregaon.

Day of visit:-Wednesday 05/1/2022

No. of participated students:-

Faculties-02

The educational tour was accompanied by Dr. Miss K.J. Kamble and Miss N.A. Shaikh.

Time of departure and arrival

We left Koregaon in three groups by S.T. bus in the morning at 10.00 am and reached at 10.30am. We started return journey at 12.00 pm and reached to Koregaon bus stand at 12.30pm.

Aim of excursion: = The main objective of the study tour was to get detail knowledge about fish production activities conducted in Fish Production Center, Chimangao.

Following are the some important aims and objectives of educational tour.

1. To observe brood fishes of various species.
2. To observe breeding in hatchery.
3. To study induced breeding technique.
4. To observe spawn, fry, fingerling stages of *Tilapia mosambika*.
5. To observe various types of fish ponds.
6. To observe operation of fish net.
7. To study construction, layout and management of fish farm.

Detail information of Chimangao Fish Production Center

- **Year of establishment:-** 2020
- **Year of production :-** 1921
- **Location:** - East side of village Chimangao Tal.- Koregaon.
- **Total area:** - 4 gunthe.
- **Governing authority:-**Private.
- **Total area of the ponds:-** 3.7 Gunthe
- **Species of fishes used for production :-**Tilapia mosambika

Details of fish ponds

| Sr. No. | Types of pond | Size of pond in meter | Total No of ponds |
|----------------|----------------------|------------------------------|--------------------------|
| 1 | Nursery | 4 m diameter | 2 |
| 2 | Rearing | 4 m diameter | 9 |

The fish farm has office cum laboratory guest room and store room.

FISH SEED PRODUCTION CENTER DHOM

The fish production center is located on east side of Chimangao. The source of water is ground boar well. The minor problem of water percolation is solved by using polythene sheets in nursery and rearing ponds.

Total Tank capacity- storage having a capacity of 1, 10,000 liters.

Developmental stages in life Cycle of carps

| Sr. No. | Stage | Average age | Size | Rate/1000 number in Rs. |
|----------------|--------------|--------------------|-------------|--------------------------------|
| 1 | Egg | 18-22 hrs. | - | Not sold |
| 2 | Hatchling | 3-4 days | - | Not sold |
| 3 | Spawn | 12-15 days | 0.5-0.7 mm | Not sold |
| 4 | Fry | 15-40 days | 12-25mm | Not sold |

| | | | | |
|---|-------------|-----------|---------|----------|
| 5 | Fingerlings | 60-90days | 75mm | Not sold |
| 6 | Adult | 1 years | ½ -1 kg | Sold |

Pond Preparation

| Sr. No. | Activity | Purpose |
|---------|--------------------|---|
| 1 | Drying in sunlight | Eradication of predatort aquatic insects |
| 2 | Deweeding | Prevention of formation of CO2 |
| 3 | Tilling | Getting rid of abnoxoius substnces and for aeration |
| 4 | Liming | Killing enemies, increasing pH 8-9 |
| 5 | Water filling | To release the fish seeds |

Manuring Composition and dose of manure for 500 sq. m.

1. Ground nut oil cake- 10 kg + Urea 5 kg.
2. Cow dung- 5 kg + 5 kg Superphosphate
3. Manuring schedule – ½ dose before introduction of fish seed,1 dose 2 days after introduction of fish seed. Later as per requirement for production.

Supplementary diet dose:

1. Vitamin C supplement and growth booster

Transport of Fish

1. The polythene bag is filled with sufficient amount of aerated water and subsequently the fish is introduced in it.
2. The O₂ is pumped from an oxygen cylinder into the bag and the bag is closed immediately.
3. Such packed seed bags are transported by farmers and released in the water bodies.

Importance of fish production center

1. Adult of Tilapia fishes is produced.

2. We have observed other stages the fish production of Tilapia fish.

We are very much thankful to Mr. Virsingh Prataprao Jadhav Owner of Chimangao fish Production center, for whole hearted co- operation and for valuable guidance given to us a lucid manner.

We offer special thanks to Dr. K.J. Kamble and Miss N.A. Shaikh for organizing the short but sweet study tour with the co-operation of Chimangao Fish Production center.


Head
Department of Zoology
D. P. Bhosale College Koregaon