

**St Thomas College, Kozhencherry**  
Certificate Course in  
*Ornamental Fish Culture and Aquarium Management*



**Name of the Department:** Department of Zoology

**Course Coordinator:** Mr Job Liyo

**Duration of course:** 30 hours

**Course Objectives:**

1. To impart awareness on the importance and scope of ornamental fish culture.
2. To acquaint the learners with the popular ornamental fishes.
3. To equip the participants with the breeding and rearing of common ornamental fishes.
4. To develop skills in aquarium management.
5. To impart knowledge on the diseases that impose a challenge to the ornamental fish culture.

**Learning outcome:**

1. Participants will get basic knowledge of ornamental fish culture and aquarium management.
2. Participants will get practice in ornament fish breeding.

**Course outcome:**

1. Participants will develop an awareness of the importance and scope of ornamental fish culture.
2. Participants will acquaint themselves with the popular ornamental fishes.
3. Participants will be equipped for the breeding and rearing of common ornamental fishes.
4. Participants will develop skills in setting up an aquarium and its management.
5. Participants will develop knowledge of common diseases that impose a challenge to the ornamental fish culture and also how to cure them.

## Course Outline:

**Module 1:** Introduction to Ornamental fish culture (5 hours)

**Module 2:** Aquarium management (5 hours)

**Module 3:** Ornamental fish breeding & rearing (10 hours)

**Module 4:** Ornamental fish food & feeding (3 hours)

**Module 5:** Fish diseases and their management (2 hours)

**Module 6:** Group activity (5 hours)

## Mode of Evaluation:

1. Attendance
2. Practical skill

## Recommended readings:

1. Baradach, J.E., Ryther, J.H. and Mc Larney (1972). Aquaculture. The Farming and Husbandry of Freshwater and Marine Organisms. Wiley Interscience, New York.
2. Beazley, M. (1998). The complete guide to tropical aquarium fish care. Read and Consumes Book Ltd. London.
3. Everything for the aquarist. Tetra Werke Publication, West Germany.
4. Jameson, J.D. and Santhanam, R. (1996). Manuel of ornamental fisheries and farming technology. Fisheries College and Research Institute, Thoothukudi.
5. Jhingran, A.V.G. (1991). Fish and Fisheries of India. Hindustan Publishing Co.
6. Rath, R.K. (2000). Freshwater Aquaculture. Scientific Publishers (India). Jodhpur.



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**St. Thomas College, Kozhencherry**

Established in 1953 | Reaccredited by NAAC with Grade A

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## Postgraduate & Research Department of Zoology

CERTIFICATE COURSE IN

# ORNAMENTAL FISH CULTURE & AQUARIUM MANAGEMENT 2021-2022

## Course Map

- Importance and scope of ornamental fish culture.
- Know about the popular ornamental fishes!
- Do you know how the mass production of fancy fishes in fish farms done?
- How to design your Aquarium?
- About the diseases that impose a challenge to ornamental fish culture.....

**Course Commences from 17 January 2022**  
**Course Duration : 30 Hours**

Course Director :  
Mr. Sam Thomas  
Assistant Professor  
Mob : +91 70342 48504  
E-mail : samthiruvalla@gmail.com

Dr. Ninu Thomas  
Head, Department of Zoology  
St. Thomas College Kozhencherry  
Mob : +91 94961 09673  
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Course Coordinator:  
Mr. Job Liyo  
Assistant Professor  
Mob : +91 98435 30169  
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# Ornamental Fish culture & Aquarium Management

2021-22

NAME OF THE STUDENT

NAME OF THE STUDENT	17/01/22	18/01/22	19/01/22	21/01/22	24/01/22	27/01/22
Anakha B Abdul	<del>Abha</del>	<del>Abha</del>	<del>Abha</del>	<del>Abha</del>	<del>Abha</del>	<del>Abha</del>
Anjuna Saju	<del>Anjuna</del>	<del>Anjuna</del>	<del>Anjuna</del>	<del>Anjuna</del>	<del>Anjuna</del>	<del>Anjuna</del>
Divya Divakaran	<del>Divya</del>	<del>Divya</del>	A	<del>Divya</del>	<del>Divya</del>	<del>Divya</del>
Ampitha PA	<del>Ampitha</del>	<del>Ampitha</del>	<del>Ampitha</del>	<del>Ampitha</del>	<del>Ampitha</del>	A
Hanitha Saji	<del>Hanitha</del>	<del>Hanitha</del>	<del>Hanitha</del>	<del>Hanitha</del>	<del>Hanitha</del>	<del>Hanitha</del>
Fathima S	<del>Fathima</del>	<del>Fathima</del>	A	<del>Fathima</del>	<del>Fathima</del>	<del>Fathima</del>
Neethu Elva Thomas	<del>Neethu</del>	<del>Neethu</del>	<del>Neethu</del>	<del>Neethu</del>	<del>Neethu</del>	<del>Neethu</del>
Krishna Aniya K	<del>Krishna</del>	<del>Krishna</del>	<del>Krishna</del>	<del>Krishna</del>	<del>Krishna</del>	<del>Krishna</del>
Reeba Jacob	<del>Reeba</del>	<del>Reeba</del>	<del>Reeba</del>	<del>Reeba</del>	<del>Reeba</del>	<del>Reeba</del>
Ashly C Wilson	<del>Ashly</del>	<del>Ashly</del>	<del>Ashly</del>	<del>Ashly</del>	<del>Ashly</del>	<del>Ashly</del>
Ganga Manoj	<del>Ganga</del>	<del>Ganga</del>	<del>Ganga</del>	<del>Ganga</del>	<del>Ganga</del>	<del>Ganga</del>
Juby Jacob	<del>Juby</del>	<del>Juby</del>	<del>Juby</del>	<del>Juby</del>	<del>Juby</del>	<del>Juby</del>
Malavika Anil	<del>Malavika</del>	<del>Malavika</del>	<del>Malavika</del>	<del>Malavika</del>	a	<del>Malavika</del>
Salini Rajan	<del>Salini</del>	<del>Salini</del>	<del>Salini</del>	<del>Salini</del>	<del>Salini</del>	<del>Salini</del>
Sandra Divesh	<del>Sandra</del>	<del>Sandra</del>	<del>Sandra</del>	<del>Sandra</del>	<del>Sandra</del>	<del>Sandra</del>
Adharth Mohan	<del>Adharth</del>	a	<del>Adharth</del>	<del>Adharth</del>	<del>Adharth</del>	<del>Adharth</del>
Seelakshmi S	<del>Seelakshmi</del>	<del>Seelakshmi</del>	<del>Seelakshmi</del>	<del>Seelakshmi</del>	<del>Seelakshmi</del>	<del>Seelakshmi</del>
Vishal Harinasad	<del>Vishal</del>	a	<del>Vishal</del>	<del>Vishal</del>	<del>Vishal</del>	<del>Vishal</del>

*Dr. Thomas*



# Ornamental fish culture & Aquarium

2021-22

Management

	01/01/22	2/2/22	3/2/22	8/2/22	9/2/22	10/2/22
Anakha B Nadin	<del>Ana</del>	<del>Ana</del>	<del>Ana</del>	A	<del>Ana</del>	<del>Ana</del>
Anjana Sajju	<del>Anja</del>	<del>Anja</del>	<del>Anja</del>	A	<del>Anja</del>	<del>Anja</del>
Amitha Divya	<del>Ami</del>	<del>Ami</del>	<del>Ami</del>	<del>Ami</del>	<del>Ami</del>	<del>Ami</del>
Amitha PA	<del>Ami</del>	<del>Ami</del>	<del>Ami</del>	<del>Ami</del>	<del>Ami</del>	<del>Ami</del>
Haritha Saji	<del>Har</del>	<del>Har</del>	<del>Har</del>	<del>Har</del>	<del>Har</del>	<del>Har</del>
Fathima S	<del>Fath</del>	<del>Fath</del>	<del>Fath</del>	A	<del>Fath</del>	<del>Fath</del>
Neethu Elsa Thomas	<del>Neeth</del>	<del>Neeth</del>	<del>Neeth</del>	<del>Neeth</del>	<del>Neeth</del>	<del>Neeth</del>
Krishna Priya K	<del>Krish</del>	<del>Krish</del>	<del>Krish</del>	A	<del>Krish</del>	<del>Krish</del>
Reeba K Jacob	<del>Reeba</del>	<del>Reeba</del>	<del>Reeba</del>	<del>Reeba</del>	<del>Reeba</del>	<del>Reeba</del>
Ashley C Wilson	<del>Ash</del>	<del>Ash</del>	<del>Ash</del>	<del>Ash</del>	a	<del>Ash</del>
Ganga Manoj	<del>Gang</del>	<del>Gang</del>	<del>Gang</del>	<del>Gang</del>	<del>Gang</del>	<del>Gang</del>
Jahy Jacob	a	<del>Jah</del>	<del>Jah</del>	<del>Jah</del>	<del>Jah</del>	<del>Jah</del>
Malavika Anil	<del>Mal</del>	<del>Mal</del>	<del>Mal</del>	<del>Mal</del>	<del>Mal</del>	<del>Mal</del>
Salini Rajan	<del>Sal</del>	<del>Sal</del>	a	<del>Sal</del>	<del>Sal</del>	<del>Sal</del>
Sandra Dinesh	<del>Sand</del>	<del>Sand</del>	a	<del>Sand</del>	<del>Sand</del>	<del>Sand</del>
Siddharth Mohan	<del>Sid</del>	<del>Sid</del>	<del>Sid</del>	<del>Sid</del>	<del>Sid</del>	<del>Sid</del>
Sreelakshmi S	<del>Sreel</del>	<del>Sreel</del>	<del>Sreel</del>	<del>Sreel</del>	<del>Sreel</del>	<del>Sreel</del>
Visakh Hariprasad	<del>Visa</del>	<del>Visa</del>	<del>Visa</del>	<del>Visa</del>	<del>Visa</del>	<del>Visa</del>

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# Ornamental fish culture & Aquarium

TRIVENI

2021-22

Management

	13/2/22	16/2/22	17/2/22	20/2/22	21/2/22	22/2/22
Analka B Naidu	<del>Abh</del>	<del>Abh</del>	<del>Abh</del>	<del>Abh</del>	<del>Abh</del>	<del>Abh</del>
Anjana Saju	<del>Apn</del>	<del>Apn</del>	<del>Apn</del>	<del>Apn</del>	<del>Apn</del>	<del>Apn</del>
Divya Divakaran	<del>Dv</del>	<del>Dv</del>	<del>Dv</del>	<del>Dv</del>	<del>Dv</del>	<del>Dv</del>
Arpitha PA	<del>Arp</del>	<del>Arp</del>	<del>Arp</del>	<del>Arp</del>	<del>Arp</del>	<del>Arp</del>
Haritha Saji	<del>Hart</del>	<del>Hart</del>	A	<del>Hart</del>	<del>Hart</del>	<del>Hart</del>
Fathima S	<del>Fath</del>	<del>Fath</del>	Fath	A	<del>Fath</del>	<del>Fath</del>
Neethu Elsa Thomas	<del>Neeth</del>	<del>Neeth</del>	<del>Neeth</del>	<del>Neeth</del>	<del>Neeth</del>	<del>Neeth</del>
Krishna Anuja K	<del>Kr</del>	<del>Kr</del>	<del>Kr</del>	<del>Kr</del>	<del>Kr</del>	<del>Kr</del>
Reeba K Jacob	<del>Reeb</del>	<del>Reeb</del>	<del>Reeb</del>	<del>Reeb</del>	<del>Reeb</del>	<del>Reeb</del>
Ashley C. Wilson	<del>Ash</del>	<del>Ash</del>	<del>Ash</del>	<del>Ash</del>	<del>Ash</del>	<del>Ash</del>
Granga Manoj	a	<del>Grng</del>	<del>Grng</del>	<del>Grng</del>	<del>Grng</del>	<del>Grng</del>
Juby Jacob	<del>Jub</del>	<del>Jub</del>	<del>Jub</del>	<del>Jub</del>	<del>Jub</del>	<del>Jub</del>
Malavika Anil	<del>Mal</del>	<del>Mal</del>	<del>Mal</del>	<del>Mal</del>	<del>Mal</del>	<del>Mal</del>
Salini Rajan	<del>Sal</del>	<del>Sal</del>	<del>Sal</del>	<del>Sal</del>	<del>Sal</del>	<del>Sal</del>
Sandya Divesh	<del>Sand</del>	<del>Sand</del>	<del>Sand</del>	<del>Sand</del>	<del>Sand</del>	<del>Sand</del>
Sidhasth Mohan	<del>Sidh</del>	<del>Sidh</del>	<del>Sidh</del>	<del>Sidh</del>	<del>Sidh</del>	<del>Sidh</del>
Sreelakshmi S	<del>Sreel</del>	<del>Sreel</del>	a	<del>Sreel</del>	<del>Sreel</del>	<del>Sreel</del>
Visakh Hariprasad	a	<del>Visa</del>	<del>Visa</del>	<del>Visa</del>	<del>Visa</del>	<del>Visa</del>

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# Ornamental fish culture 2

2021-22

# Aquarium Management

	27/2/22	28/2/22	2/3/22	3/3/22	6/3/22	
Anakha B Nuth	<del>ANAKHA</del>	A	<del>ANAKHA</del>	<del>ANAKHA</del>	<del>ANAKHA</del>	<del>ANAKHA</del>
Anjuna Saju	<del>ANJUNA</del>	A	<del>ANJUNA</del>	<del>ANJUNA</del>	<del>ANJUNA</del>	<del>ANJUNA</del>
Dinaya Divakaran	<del>DINAYA</del>	<del>DINAYA</del>	<del>DINAYA</del>	<del>DINAYA</del>	<del>DINAYA</del>	<del>DINAYA</del>
Angitha P A	A	<del>ANGITHA</del>	<del>ANGITHA</del>	<del>ANGITHA</del>	<del>ANGITHA</del>	<del>ANGITHA</del>
Hanitha Saji	<del>HANITHA</del>	<del>HANITHA</del>	A	<del>HANITHA</del>	<del>HANITHA</del>	<del>HANITHA</del>
Fathima S	<del>FATHIMA</del>	<del>FATHIMA</del>	<del>FATHIMA</del>	<del>FATHIMA</del>	<del>FATHIMA</del>	<del>FATHIMA</del>
Neethu Elsa Thomas	<del>NEETHU</del>	<del>NEETHU</del>	<del>NEETHU</del>	<del>NEETHU</del>	<del>NEETHU</del>	<del>NEETHU</del>
Krishna Priya K	<del>KRISHNA</del>	<del>KRISHNA</del>	<del>KRISHNA</del>	<del>KRISHNA</del>	<del>KRISHNA</del>	<del>KRISHNA</del>
Reeba K Jacob	<del>REEBA</del>	<del>REEBA</del>	<del>REEBA</del>	<del>REEBA</del>	<del>REEBA</del>	<del>REEBA</del>
Ashly C Wilson	<del>ASHLY</del>	<del>ASHLY</del>	<del>ASHLY</del>	<del>ASHLY</del>	<del>ASHLY</del>	<del>ASHLY</del>
Ganga Manoj	<del>GANGA</del>	<del>GANGA</del>	<del>GANGA</del>	<del>GANGA</del>	<del>GANGA</del>	<del>GANGA</del>
Jubi Jacob	<del>JUBI</del>	<del>JUBI</del>	<del>JUBI</del>	<del>JUBI</del>	<del>JUBI</del>	<del>JUBI</del>
Malavika Anil	<del>MALAVIKA</del>	<del>MALAVIKA</del>	<del>MALAVIKA</del>	<del>MALAVIKA</del>	<del>MALAVIKA</del>	<del>MALAVIKA</del>
Salini Rajam	<del>SALINI</del>	<del>SALINI</del>	a	<del>SALINI</del>	<del>SALINI</del>	<del>SALINI</del>
Samrta Divesh	<del>SAMRATA</del>	<del>SAMRATA</del>	<del>SAMRATA</del>	<del>SAMRATA</del>	<del>SAMRATA</del>	<del>SAMRATA</del>
Sedhastha Mohan	<del>SEDHASTHA</del>	<del>SEDHASTHA</del>	<del>SEDHASTHA</del>	<del>SEDHASTHA</del>	<del>SEDHASTHA</del>	<del>SEDHASTHA</del>
Seelakshmi S	<del>SEELAKSHMI</del>	a	<del>SEELAKSHMI</del>	<del>SEELAKSHMI</del>	<del>SEELAKSHMI</del>	<del>SEELAKSHMI</del>
Visakh Harisasad	<del>VISAKH</del>	<del>VISAKH</del>	<del>VISAKH</del>	<del>VISAKH</del>	<del>VISAKH</del>	<del>VISAKH</del>



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# Ornamental Fish culture &

TRIVENI

2021-22

# Aquarium Management

	13/3/22	14/3/22	15/3/22	17/3/22	20/3/22	21/3/22
Anakha B Nadh	<del>Ankha</del>	<del>Ankha</del>	<del>Ankha</del>	<del>Ankha</del>	<del>Ankha</del>	<del>Ankha</del>
Anjana Sajin	Anja	Anjan	Anjan	Anjan	Anjan	Anjan
Divya Divakaran	Div	Div	Div	Divya	Div	Div.
Ampithe PA	Amp	Amp	Amp	Amp	Amp	A
Haritha Sajit	Harit	Harit	A	Harit	Harit	Harit
Fathima S	Fath	Fath	Fath	Fath	Fath	Fath
Neethu Cha Thomas	Neethu	Neethu	Neethu	Neethu	Neethu	Neethu
Rudhina Princy .k	Rudh	Rudh	Rudh	Rudh	Rudh	Rudh
Reeba K Jacob	Reeba	Reeba	Reeba	A	Reeba	Reeba
Ashley C Wilson	Ashley	Ashley	Ashley	Ashley	Ashley	Ashley
Branga Manoj	Branga	Branga	Branga	Branga	Branga	Branga
Jubi Jacob	Jubi	Jubi	Jubi	Jubi	Jubi	Jubi
Malavika Anil	Malavika	Malavika	Malavika	Malavika	Malavika	Malavika
Salini Rajan	Salini	Salini	Salini	Salini	Salini	Salini
Sandhya Divesh	Sandhya	Sandhya	Sandhya	Sandhya	Sandhya	Sandhya
Sidharth Mohan	<del>Sidharth</del>	<del>Sidharth</del>	<del>Sidharth</del>	<del>Sidharth</del>	<del>Sidharth</del>	<del>Sidharth</del>
Sreelakshmi S	Sreelakshmi	Sreelakshmi	Sreelakshmi	Sreelakshmi	Sreelakshmi	Sreelakshmi
Visakh Hariprasad	Visakh	Visakh	Visakh	Visakh	Visakh	Visakh



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Kerala - 689 641



St. Thomas College,  
Kozhencherry  
Post Graduate & Research  
Department of Zoology



## COURSE COMPLETION CERTIFICATE

This is to certify that

**Anakha B Nadh, M.Sc. Zoology (2021-2023)**

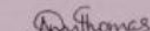
has successfully completed the Certificate course in '*Ornamental Fish Culture and Aquarium Management*'

organized by


Department of Zoology, St.Thomas College, Kozhencherry during the academic year 2021-2022

  
Dr. Roy George K

Principal,  
St.Thomas College,  
Kozhencherry

  
Dr. Ninu Thomas

Head, Department of Zoology,  
St.Thomas College,  
Kozhencherry

  
Mr. Job Liyo

Course Coordinator,  
Department of Zoology,  
St.Thomas College, Kozhencherry