

Vishnu Waman Thakur Charitable Trust's
Bhaskar Waman Thakur College of Science,
Yashvant Keshav Patil College of Commerce,
Vidhya Dayanand Patil College of Arts,
(VIVA College)



**Aquascaping
and
Freshwater
Aquarium
Management
(CC-AFAM)**



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(VIVA COLLEGE)
Affiliated to University of Mumbai



**DEPARTMENT OF ZOOLOGY AND IQAC ORGANIZES
CERTIFICATE COURSE IN AQUASCAPING AND FRESHWATER
AQUARIUM MANAGEMENT**



Commencement of Course: 1st October 2022

Duration of Course: 15 Days

For further information please contact Department of Zoology

Ms. Sonal Salvi
Course Incharge

Dr. Anushri Kini
HOD, Zoology

Dr. Deepa Verma
Vice Principal
& IQAC Coordinator

Dr. Prajakta Paranjape
Vice Principal

Dr. V.S. Adigal
Principal



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VIVA College
(NAAC ACCREDITED-'B' Grade, CGPA 2.69)

CERTIFICATE COURSE IN AQUASCAPING AND FRESHWATER AQUARIUM MANAGEMENT

Course description: The course provides an in-depth understanding of aquatic plant selection, hardscape design, fish selection, disease management and treatment and ecosystem maintenance for vibrant aquariums. Participants delve into the art of balancing flora, fauna, and design elements to craft visually attractive aquariums. Practical sessions focus on techniques for layout, aquarium equipment. Students learn the principles of balance, aesthetics, and sustainable aquatic life management, fostering the skills necessary to construct and maintain mesmerizing tanks.

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|------------------------|--|
| Who can attend | Students interested in preparation of aquarium setup |
| Course duration | Total 30 Hrs |
| Venue | Old VIVA College Biolab |

Course Content and Schedule:

| Sr. no | Index | Duration |
|--------|---|----------|
| 1. | Introduction to Aquascaping, Designs and styles, Basic Biology, Choosing & Locating the Tank, Tank Furnishing, Water Testing, Choosing and Introducing Fish | 2 hrs |
| 2. | Nutrition, Benefits of Live Food, Tank Cleaning, Water Changing, Filtration, Temperature Control, Aquarium Decor, Lighting, Breeding | 2 hrs |
| 3. | Diseases & Healthcare | 2 hrs |
| 4. | Aquascaping - Arrangement of Aquatic Plants, Rocks, Stones & Driftwood | 3 hrs |
| 5. | Fish Behaviour of Fishes: Behaviour changes in aquarium fishes, Behaviour problems in aquarium fishes, Stress and Welfare in aquarium fishes | 2 hrs |
| 6. | Popular Aquarium Fishes (Part 1) | 2 hrs |
| 7. | Popular Aquarium Fishes (Part 2) | 2 hrs |
| 8. | Identification of ornamental fishes | 2 hrs |
| 9. | Introduction to aquarium plants and indigenous variety available in Western ghats | 2 hrs |



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| | | |
|-----|--|-------|
| 10. | Importance and significance of aquarium plants, Economic importance of aquarium plants | 2 hrs |
| 11. | Types of aquarium plants:- Ornamental, Background, Floating | 2 hrs |
| 12. | Types of aquarium plants : Foreground , Mid ground plants | 2 hrs |
| 13. | Propagation and Management of ornamental aquatic plants and its trading | 2 hrs |
| 14. | Setting up the aquarium | 3 hrs |

Evaluation: Students will have to prepare aquarium setup after the completion of course.

- A **certificate** will be given to the participants after successful completion of the course.

Sonal Salvi
Name & Signature of Course Coordinator

Dr. Anushri Kini
Name & Signature of HOD/ Coordinator