

ACHARYA'S NRV SCHOOL OF ARCHITECTURE SOLADEVANAHALLI, BENGALURU -560107

"OCEANARIUM IN GOA" ARCHITECTURE DESIGN PROJECT (THESIS) – 2022-23

Submitted in partial fulfillment of the Requirements for the "Bachelor of Architecture" Degree Course

Submitted by : RABINDRA BALIGA

USN : 1AA18AT007

Guide : Assoc. Prof. FATHIMA SAMANA S

A project report submitted to VISVESHWARAYA TECHNOLOGICAL UNIVERSITY "Jnana Sangama", Machhe, Belgaum – 590018 ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ - ೫೯೦೦೧೮



CERTIFICATE

This is to certify that this thesis report titled OCEANARIUM IN GOA by RABINDRA
BALIGA of X SEMESTER B.Arch, USN No. 1AA18AT007 has been submitted in partial
fulfillment of the requirements for the award of under graduate degree Bachelor of
Architecture (B.Arch) by Visveshwaraya Technological University VTU, Belgaum during the
year 2022- 23.

Assoc. Prof. FATHIMA SAMANA S Guide

Prof. Ar. SANJYOT SHAH
Principal

Examined by:		
1)Internal Examiner:		
2)External Examiner1:		
3)External Examiner2:		

DECLARATION

This thesis title "OCEANARIUM IN GOA", submitted in partial fulfillment of the requirement for the award of the under graduate of Bachelor of architecture is my original work to the best of my knowledge.

The sources for the various information and the data used have been duly acknowledged.

The work has not been submitted or provided to any other institution/ organization for any diploma/degree or any other purpose.

I take full responsibility for the content in this report and in the event of any conflict or dispute if any, hereby indemnify Acharya's NRV School of Architecture and Visveshwaraya Technological University, Belagavi, and its official representatives against any damages that any raise thereof.

RABINDRA BALIGA

1AA18AT007

ACKNOWLEDGEMENT

I would like to take this opportunity to express my sincere gratitude to all those who have contributed to the successful completion of this thesis. Firstly, I am deeply grateful to my Thesis supervisor, Assoc. Prof Fathima, whose guidance, feedback, and encouragement were invaluable in shaping this research. Their expertise and support have been crucial in ensuring the quality and direction of this work.

I express my gratitude towards Prof. Ar. Sanjyot Shah, the Principal, for creating an academic environment that has contributed significantly to the success of this project.

I am also thankful to my family and friends for their unwavering support, patience, and understanding during the entire process.

Furthermore, I would like to acknowledge the assistance and support of my colleagues and classmates who have provided me with insightful feedback and valuable resources that have enriched my research.

Lastly, I extend my appreciation to the institution and the faculty members who have provided me with the necessary resources, facilities, and opportunities to complete this thesis successfully.

Table Of Content:

Introduction	8
Description of the research work	9
Aim, Objectives & Limitations	9
Aquarium vs. Oceanarium	9
Freshwater Tank vs. Saltwater Tank	9
Freshwater Tank:	10
Saltwater Tank:	11
Aquarium Dimensions	12
Aquatic needs:	13
Water Supply system:	
Case Study	19
GEORGIA MUSEUM:	19
PRIMORSKY AQUARIUM:	23
VARKALA AQUARIUM:	27
Site Analysis:	30
Location:	30
Climate:	30
Flora and Fauna:	31
Accessibilty:	31
Views:	32
Site Byelaws:	32
Design Concept:	33
References:	35