## PROJECT REPORT ON

## **VADHYAKALAKSHETHRA**

Submitted in partial fulfillment of requirement for the award of the degree of

## **MASTER OF COMPUTER APPLICATIONS (MCA)**

## **Submitted By**

CHITHIRAKRISHNA.MV JMAUMCA011

**Guided By** 

Mrs.JISHA MICHAEL



#### **UNIVERSITY OF CALICUT**

CENTRE FOR COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

Dr. John Matthai Centre, Aranattukara, Thrissur-680618

SEPTEMBER 2022

#### UNIVERSITY OF CALICUT

# CENTRE FOR COMPUTER SCIENCE AND INFORMATION TECHNOLOGY Dr. JOHN MATTHAI CENTRE

## MASTER OF COMPUTER APPLICATIONS (MCA)



## **CERTIFICATE**

This is to certify that the project report entitled "VADHYAKALAKSHETHRA" is a bona fide record of the work done by CHITHIRAKRISHNA.MV (JMAUMCA011) during the academic year 2020-2022 towards the partial fulfillment of the requirements for the award of the degree of MASTER OF COMPUTER APPLICATIONS of University of Calicut.

Project Guide

Associate Co-Ordinator

Mrs. JISHA MICHAEL

Mrs. BINI P.B

**Assistant Professor** 

CCSIT, Dr. John Matthai Centre

CCSIT, Dr. John Matthai Centre

**Internal Examiner** 

**External Examiner** 

## **DECLARATION**

I, Chithirakrishna.MV do hereby declare that the project work entitled
"VADHYAKALAKSHETHRA" submitted to University of Calicut in partial
fulfillment of the requirement for the award of the degree of Master of Computer
Applications (MCA) is an original work done by me under the guidance of
Mrs.Jisha Michael , Assistant Professor of CCSIT Dr. John Matthai Centre,
Aranattukara, Thrissur.
Aranattukara Chithirakrishna.MV

(JMAUMCA011)

Date: ..../.....

### **ACKNOWLEDGEMENT**

I would like to thank to start this acknowledgement note by thanking to the God Almighty for the constant love and grace he has showered upon me since lifetime. It's been a great opportunity for myself to be part of such a venture and express my heartfelt gratitude and thanks to **Mrs. BINI P.B**, Head of the Department of Computer Science CCSIT, Dr. John Matthai Centre, for her extensive support in providing much acquired lab facilities and also making it available whenever necessary.

A great deal of gratitude to Mrs. JISHA MICHAEL Assistant Professor, CCSIT, Dr. John Matthai Centre, for her effective guidance, timely suggestions and encouragement. Heartfelt thanks to all teachers and staffs & friends of CCSIT, Dr. JOHN MATTHAI CENTRE Campus who have helped me in the learning process of the project.

The successful completion of the system wouldn't be possible without our parents and friends. Let me end this note gratitude by thanking all of them who has been there for me in the course of study and work of the system.

CHITHIRAKRISHNA.MV

#### **ABSTRACT**

The project work entitled, "VADHYAKALAKSHETHRA" is a live project for the art school "IRR" is a Python based Web Application to support users for renting and buying of vadhyam and costume. It is also a platform for artist to promote their talents. Artist can also buy or rent vadhyanms and costumes. Vadhyakalakshethra is a platform for booking artistes for local and global events. Clients using Vadhyakakalshethra can easily obtain information on vadhyam, costumes and artist details.. Here Vadhyakalakshethra support artist to get bookings and popularity. This will help them to survive from struggle's. There are mostly three modules at Vadhyakalakshethra. User module, admin module and artist module. Admin is overall authority in website. User can register and login to the website and buy or rent product. Also user can book artist for events. Artist can register and after the approval of admin he can login to website to view the booking and approve events and also he can buy or rent products.

The Web Application is built in Python as the front end along with the Flask web technology and SQLAlchemy as the back end. The system supports online payments and all the manual processes are automated. A user friendly atmosphere is created here. Any registered users can login and buy the products. Renting vadhyams and costume will be provided only after paying an advance amount. It is a great opportunity for local artist to get program bookings

## **CONTENTS**

1. INTRODUCTION1
1.1 System overview
1.2 Objectives of the system
2. SYSTEM ANALYSIS3
2.1 Existing System4
2.2 Drawbacks of Existing System4
2.3 Requirement Analysis5
2.4 Proposed System5
2.5 Advantages of the System
2.6 Feasibility Study7
3. SYSTEM SPECIFICATIONS10
3.1 Hardware Specification11
3.2 Software Specification
4. SYSTEM DESIGN 12
4.1 Input Design
4.2 Output design14
4.3 Database Design
4.4 Data Flow Diagram17
4.5 Unified Modeling Language Design
4.6 Code Design
5. SYSTEM TESTING
6. SYSTEM IMPLEMENTATION AND MAINTENENCE29
7. CONCLUSION 32
8. SCOPE FOR FUTURE ENHANCEMENT

9. APPENDIX	36
I Database Design	37
II Data Flow Design	43
III UML Diagram	46
IV Screen Layouts	51
V Coding	56
10. BIBLIOGRAPHY	61