

Ticket Booking System for Edakkal Caves

PROJECT REPORT

Submitted to the

Kannur University

in partial fulfillment of the requirements for the award of

Bachelor of Science

in

Computer Science

by

SREELAL TS

(MM21CCSR26)

under the guidance of

Mr. SABU O J



PG and Research Department of Computer Science

Mary Matha Arts and Science College

Mananthavady

MAY 2024

DECLARATION

I hereby declare that the work presented in this project report entitled “**Ticket Booking System for Edakkal Caves**”, is based on the original project work carried out by me under the supervision of **Mr. Sabu O J**, Assistant Professor, PG and Research Department of Computer Science, Mary Matha Arts & Science College, Mananthavady affiliated to Kannur University, Kerala. The project work presented in this report or parts of it has not been presented for the award of any other degree(s).

Place : **Mananthavady**

Date :

Sreelal TS

CERTIFICATE

This is to certify that this project report entitled “**Ticket Booking System for Edakkal Caves**”, is a bonafide record of the work carried out by **Mr. Sreelal TS** under our supervision in the PG and Research Department of Computer Science, Mary Matha Arts & Science College, as a part of his/her Bachelor of Science in Computer Science. The work presented in this project or parts of it has not been presented for the award of any other degree(s).

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ACKNOWLEDGEMENT

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SREELAL TS

ABSTRACT

The Edakkal Caves Ticket Booking System represents a collaborative initiative between the District Tourism Promotion Council (DTPC) and the Incubation & Innovation Cell at Mary Matha Arts & Science College, Mananthavady. This project, driven by the vision to enhance the visitor experience to the historical Edakkal Caves in Wayanad, Kerala, introduces an efficient and user-friendly ticket booking system. The system comprises two integral components: the Admin App and the User Portal. The Admin App, built with Flutter and Firebase, empowers DTPC agents with on-site booking management and verification capabilities. Simultaneously, the User Portal, developed using ReactJS and Firebase with Razorpay integration, provides tourists with a seamless online ticket booking experience. Visitors can effortlessly navigate the web application, explore details about Edakkal Caves, and reserve tickets for a specified date and time. The integration of Razorpay ensures secure and hassle-free transactions. The historical significance of Edakkal Caves, coupled with the advanced technology employed in this project, aims to make the site more accessible and enrich the overall tourism experience. This collaborative effort between the tourism sector and educational institutions exemplifies the potential of leveraging technology to preserve and promote cultural heritage, creating a model for future projects at the intersection of tourism and technology.