Development of Web Portal - Kerala State Biodiversity Board (KSBB)

Project Objective

KSBB has decided to develop a comprehensive web portal that will serve as a robust platform for managing various applications, registrations, and transactions. The primary objective is to develop a secure and user-friendly online portal that will simplify and enhance the delivery of KSBB's services, providing improved accessibility, ensuring transparency, and serving as a valuable tool for stakeholders in supporting KSBB's mission to promote biodiversity conservation and sustainable development.

Required Components

Along with retaining the present functionalities, the web portal should include the following modules:

1. General Website (All the components included in the existing website)

- Comprehensive information about KSBB

- Mission, vision, and organizational structure

- News and announcements

- Resources and publications

- Contact information

2. Online Application Submission Portal

The portal should facilitate online applications for:

- Notified Vacancies - Complete recruitment management system.

- Student Internships - Application and selection process management.

- Doctoral Fellowships - Fellowship application and tracking system.

- Financial Assistance for Seminars and Symposiums-Grant application portal.

- Biodiversity Awards - Application system for 13 types of awards offered by KSBB.

- Training programme/Courses-Application for admission/participation.

- Students' Biodiversity Congress- District level entry

3. Payment Gateway Integrated Portal.

- KSBB Museum Online Ticket Booking: Advance payment facility for museum visits

- KSBB Book Purchase Portal: Online ordering and payment for printed and e-publications

- Online training/Course programme (Course Fee)

4. Citizen Biodiversity Portal (Optional)

Online Submission Platform for biodiversity-related information, including:

- Photographs

- Videos

- Notes and observations

- Species documentation

- Habitat information

Technical Requirements

The modified proposal should address:

a. Security features and data protection measures

b. User authentication and authorization systems

c. Mobile responsiveness and accessibility compliance

d. Database management and backup solutions

e. Integration capabilities with existing systems

f. Maintenance and support arrangements.