

DEVELOPMENT OF A WEB BASED LEARNING MANAGEMENT SYSTEM FOR KERALA INSTITUTE OF HYDROGRAPHY AND ADVANCED STUDIES (KIHAS)

1. INTRODUCTION - KIHAS

Kerala Institute of Hydrography and Advanced Studies (KIHAS) , Govt. of Kerala is an educational institution under Kerala State Hydrographic Survey Wing, started functioning from April 2013 in the campus of Kerala University of Fisheries and Ocean Studies (KUFOS) Panangad PO, Kochi. KIHAS is also having its Sub Centre at Ponnani, Malappuram District, which also conducts all courses carried out by KIHAS at Panangad.

KIHAS has been conducting several job-oriented courses like Basic Hydrographic Survey, Total Station Survey & Hypack software.

2 . WEB BASED LEARNING MANAGEMENT SYSTEM

The proposal is to create a Learning Management System integrated web portal for KIHAS (Kerala Institute of Hydrography and Advanced Studies) that will manage the overall management of KIHAS trainings. This portal should be responsive and accessible on various devices such as smartphones, tablets, laptops, desktops, smartboards, multitouch interactive view boards, TVs, and other visual display units.

The system have to serve all administration, documentation, tracking, reporting, automation, and delivery of KIHAS courses, training programs and training materials.

The portal must have the following modules

- **Admission Management Module**

Online Application, Application Tracking, Document Management, Admission Criteria, Application Review and Decision, Payment Processing, Enrollment and Registration, Reporting and Analytics etc..

- **Fee Management Module**

Efficiently managing the fees and payments associated with various programmes offered by KIHAS. This module will streamline the entire process of fee management, including fee collection, tracking, reporting, and financial analysis, to ensure smooth and transparent financial operations.

- **Student Management Module**

Student Records Management, Enrolment and Admission, Attendance Management, Grading and Academic Progress, Timetable and Scheduling, Examination and Assessment, Issuance of Certificate etc.

- **Training Management Module**

The training management module is a key component of the proposed web portal for KIHAS, designed to facilitate the planning, organization, and administration of training programs offered by the organization. This module will provide a comprehensive system for managing all aspects of training, from scheduling and enrolment to tracking and reporting.

- **Staff Management Module**

Employee Records Management, Leave and Attendance Management, Time and Attendance Tracking, Payroll Management, Performance Evaluation etc.