

DEPARTMENT DAIRY- DEPARTMENT SYSTEM MONITORING BLOG

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Introduction

In every educational institution, maintaining daily academic and administrative records is very important. Traditionally, these records are written in manual registers, which can lead to problems like data loss, difficulty in searching, and time consumption. To overcome these problems, our group developed a "Digital Department Diary System" as part of our EEL Project-Based Learning. This project helps in storing, managing, editing, and retrieving department records digitally in a safe and efficient manner.

Problem Statement

Manual department diaries create several difficulties such as risk of losing important data, time-consuming record searching, no proper backup, and difficulty in updating or modifying records. Hence, there is a need for a digital system to manage department diary records efficiently.

Objective of the Project

- To digitize the traditional department diary
- To provide easy data entry and record management
- To allow fast searching and updating of records
- To ensure safe storage of department information
- To improve overall departmental efficiency

Tools & Technologies Used

- Programming Language: C
- Data Handling: File Handling
- Platform: Windows
- Code Editor: Turbo C / VS Code
- Concept Used: Structure, Functions, File System

Project Description

The Digital Department Diary System allows users to add new department records, view existing records, edit incorrect entries, and delete outdated information. All records are stored in a file electronically, making the system reliable and user-friendly. The project demonstrates how basic programming concepts can be used to solve real-life problems in an educational environment.

Group Members & Their Contribution

- Sarthak Hiwarde – Team Leader, Project Planning, Data Collection ,Testing and Final Integration
- Mayank Karmakar –, Requirement Analysis, Main Coding, Documentation
- Hrushi Mahulkar – Flowchart Design, Program Logic Development, Error Detection
- Jay Khiradkar – Presentation Design, Report Formatting, Project Explanation

Learning Outcomes

- Basic programming using C language
- File handling concepts
- Real-life problem solving using technology
- Teamwork and collaboration
- Project documentation and presentation skills

Real-Life Application

This system can be used in schools, colleges, and offices to maintain daily records, academic schedules, administrative data, and event details.

Conclusion

The Digital Department Diary System is an effective solution to replace traditional manual record keeping. It improves data safety, reduces workload, and saves time. Through this project, we gained practical knowledge, teamwork experience, and real-world application of programming concepts. This EEL activity helped us to enhance both technical and communication skills.