Project Report

on

Journal Management System

Submitted by

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in a course

Data Structures and Algorithms (CET1068B)

SY B.Tech

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1. Introduction

This project focuses on the development of a Journal Entry Management System using linked lists in C. The system allows users to create, store, search, and analyse journal entries based on specific criteria.

2. Aim and Objectives

Aim: To create an efficient system for managing journal entries using linked lists in C.

Objectives:

Implement a linked list structure to store journal entries.

Enable users to add, display, and search for entries based on date.

Conduct sentiment analysis by counting positive and negative words in the entries.

3. Problem Statement

Traditional journaling methods lack efficient organization and analysis capabilities. This project aims to address this limitation by creating a structured system for managing and analysing journal entries.

4. Methodology

Linked List Structure: Utilized a linked list data structure in C to organize and manage journal entries.

Functions: Developed functions for entry creation, display, search by date, and sentiment analysis.

Sentiment Analysis: Implemented algorithms to count occurrences of positive and negative words in journal entries.

5. Results

Entry Management: Users can create, display, and search journal entries by date.

Sentiment Analysis: The system successfully performs sentiment analysis, counting positive and negative words in the entries.

6. Conclusion

The project accomplished its primary goal of creating an efficient Journal Entry Management System. The system enables users to effectively manage and analyse their journal entries using linked lists in C, offering functionalities for entry manipulation and sentiment analysis.

7. Learning Outcome

Enhanced understanding of linked list implementation in C for data management.

Gained experience in text processing and sentiment analysis techniques.

8. References

Dr. Jayashree Jagdale

Class notes, Lab experiment 3, GitHub (for file management) etc.