

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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FILE STRUCTURES LABORATORY WITH MINI PROJECT

“Event Management System”

Submitted in the partial fulfilment of the requirements for completion of the 6th semester File Structures laboratory with Mini Project [15ISL68] for course of

BACHELOR OF ENGINEERING IN INFORMATION SCIENCE AND ENGINEERING

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2018-2019

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CERTIFICATE

This is to certify that File Structures mini-project entitled **“Event Management System”** has been successfully completed by **Syeda Zoya Kulsum [1JS16IS082], Suraj Kotecha [1JS16IS080]** of VI semester Information Science and Engineering from JSS Academy of Technical Education under **Visvesvaraya Technological University** Belagavi during the year 2018-2019.

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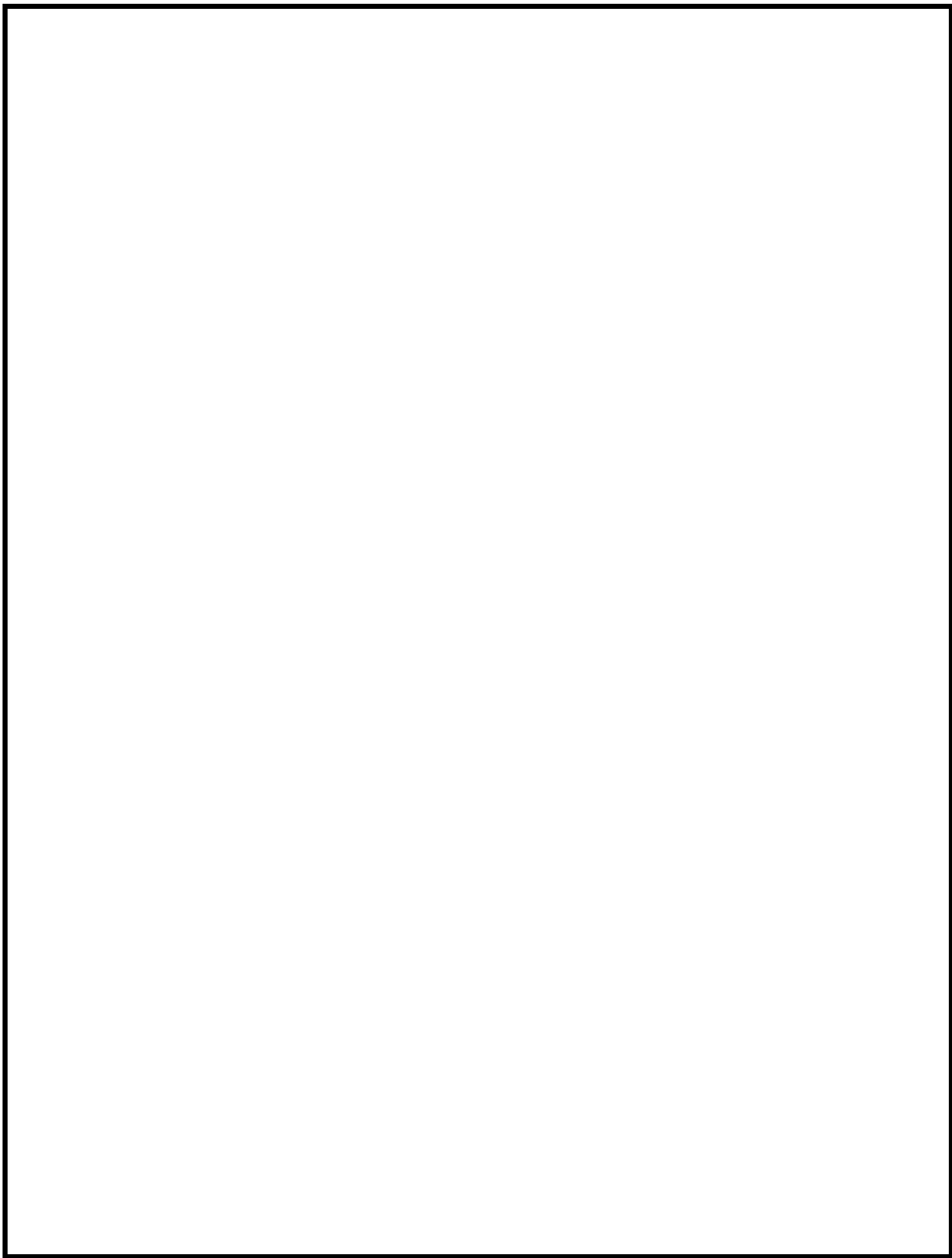
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ABSTRACT

This project is done to demonstrate the working of file system using file structures at application level. The name of the project is Event Management System, implemented in C++.

The execution of the system first displays a home page for either entering information or viewing already existing system. There are options to enter events, sponsors, clients, employees, ad agencies, participants and their details, all related through their respective event ids.

There is option for committing the changes/new entries made in the system to prevent loss of records/data upon system failure/crash. Rollback option gives the users the alternative to go back to the previous state of the system. The changes if not committed can be rolled back.

The view information option is to view existing event details, sponsor details, client details and so on. It also has options for analysing marketing and comparing the profits/losses of the events.

The file concept used combines parts from both hashing and indexing concepts to create a modified version, which mainly works on offsets.

In this method, we add an index line to the beginning of each file.

The format of the index line is as follows:

e1:o1|e2:o2|e3:o3|

{e1,e2,e3,....} - Event ids

{o1,o2,o3,....} - Corresponding offsets

This method saves space by using same file for indexing and provides direct access to records.

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