ABSTRACT

File structures provide efficient access to disk by allowing data to be stored, located and retrieved in a convenient way. A file system must be able to store the file, locate the file and retrieve the file. Hotel Management system is a file structure system implemented using Inverted lists. After adding records into the file operations like reading the details, searching the record, deleting the record and modifying a record can be performed on the contents of the file.

This mini project is aimed at providing a common platform for all kinds of hotel. Owing to the need to have all the customer details stored securely, facilitating timely access to update, search and delete, the program was built. Each user is identified by his room number and all the room details are stored in files. The program is built using C++ and Inverted list indexing concept.

It uses Inverted list in which a key may be associated with a list of reference fields pointing to documents that contain key. Files such as our secondary key leads to a set of one or more primary keys are called inverted lists. It is called inverted list because we are working our way backward from a secondary key to primary key to the record itself.

ACKNOWLEDGEMENT

The fulfilment and rapture that go with the fruitful finishing of any assignment would be inadequate without the specifying the people who made it conceivable, whose steady direction and support delegated the endeavours with success.

We would like to profoundly thank **Management** of **RNS Institute of Technology** for providing such a healthy environment to carry out this Project work.

We would like to thank our beloved Director **Dr. H N Shivashankar** for his confidence filling words and support for providing facilities throughout the course.

We would like to express our thanks to our Principal **Dr. M K Venkatesha** for his support and for inspiring us towards the attainment of knowledge.

We wish to place on record our words of gratitude to **Dr. M V Sudhamani,** Professor and Head of the Department, Information Science and Engineering, for being the enzyme and master mind behind our Project work.

We would like to express our profound and cordial gratitude to our Coordinator **Mr. Santhosh Kumar**, Assistant Professor, Department of Information Science and Engineering for her valuable guidance, constructive comments and continuous encouragement throughout the Project work.

We would like to express our profound and cordial gratitude to our Faculty Incharge **Mr. T S Bhagavath Singh**, Associate Professor, Information Science and Engineering, for his valuable guidance in preparing Project report.

We would like to thank all other teaching and non-teaching staff of Information Science & Engineering who have directly or indirectly helped us to carry out the project work.

And lastly, we would hereby acknowledge and thank our parents who have been a source of inspiration and also instrumental in carrying out this Project work.

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