

# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI – 590 018



A Mini Project Report on

## *Musical Recording System using Inverted Lists*

### *Indexing Technique*

*Submitted in partial fulfillment of the requirements as a part of the File Structure Lab for  
the award of degree of*

## **Bachelor of Engineering in Information Science and Engineering**

Submitted by

**PRAGATI SRIVASTAVA**  
**1RN15IS059**

**PRAGYA PRIYA**  
**1RN15IS060**

Faculty Incharge

**Mrs. Vinutha G K**

Assistant Professor

Dept. of ISE, RNSIT



**Department of Information Science and Engineering**

**RNS Institute of Technology**

Channasandra, Dr. Vishnuvardhan Road, RR Nagar Post,  
Bengaluru – 560 098  
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# RNS Institute of Technology

Channasandra, Dr.Vishnuvardhan Road, RR Nagar Post,

Bengaluru – 560 098

## DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



### CERTIFICATE

This is to certify that the mini project report entitled **MUSICAL RECORDING USING INVERTED LISTS INDEXING TECHNIQUE** has been successfully completed by **PRAGATI SRIVASTAVA** bearing USN **1RN15IS059** and **PRAGYA PRIYA** bearing USN **1RN15IS060** presently VI semester students of **RNS Institute of Technology** in partial fulfillment of the requirements as a part of the **FILE STRUCTURE** Laboratory for the award of the degree of *Bachelor of Engineering in Information Science and Engineering* under **Visvesvaraya Technological University, Belagavi** during academic year 2017 – 2018. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements as a part of File structure Laboratory for the said degree.

---

**Mrs Vinutha G K**

Faculty Incharge

Assistant Professor

---

**Mrs Vinutha G K**

Coordinator

Assistant Professor

---

**Dr M V Sudhamani**

Professor and HoD

### External Viva

**Name of the Examiners**

**Signature with date**

1. \_\_\_\_\_

\_\_\_\_\_

2. \_\_\_\_\_

\_\_\_\_\_

## **ABSTRACT**

Music is something for which everyone has passion these days. But the major problem is that it becomes very tough to maintain such old music records and retrieve such records, so to overcome this problem we introduce Musical Recording System. The project deals with the organization of musical recording details. It takes in the song detail. This helps the organization to easily maintain the musical records and to display it whenever needed. We can add a new song to the list, one can easily update the records as per the requirements. We can also alter the serial number of the student in case of a wrong entry. In case of an incorrect data entry the record can easily be deleted using the primary key which is serial number of the music.

It includes inverted list and using it we can list the songs under particular composer. We can display the song details by just typing the serial number and composer name. The Musical Recording system is a stand-alone application. It provides a user-friendly, interactive Menu Driven Interface (MDI). All data is stored in files for persistence. The application uses two files: a secondary index file, to store the primary index and a Data file, to store records pertaining to the Music details, its complete information regarding composer's name and other details. It will be very convenient to retrieve records with help of any particular specification of a song. We are using composer's name to retrieve the records in our project which will ultimately give details of songs composed by that composer which will be very helpful for retrieving from years long songs and also for fast processing.

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<b>PRAGATI SRIVASTAVA</b>	<b>1RN15IS059</b>
<b>PRAGYA PRIYA</b>	<b>1RN15IS060</b>

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## **ABBREVIATIONS**

AVL	Adelson-Velskii and Landis
SNO	Serial Number
MDI	Menu Driven Interface
OS	Operating System
RAM	Random Access Memory

