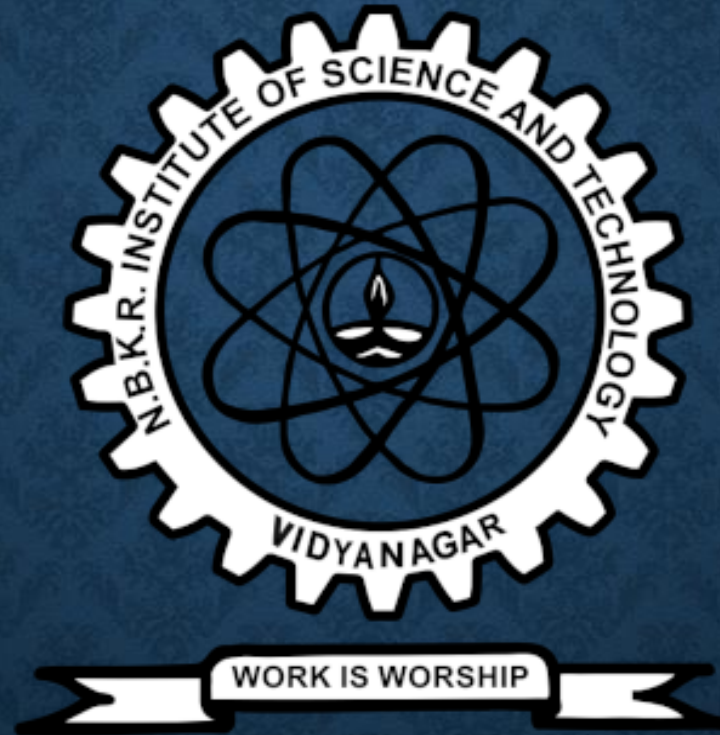


# N.B.K.R.I.S.T



# **LIBRARY MANAGEMENT SYSTEM**

**PRESENTED BY**

- SK.APSHIN
- CH.SUCHARITHA
- CH.KEERTHI
- D.JYOTSHNA PRIYA

# LIBRARY MANAGEMENT SYSTEM

A simple c project to manage library books using file handling

## SOURCE CODE

<https://onlinegdb.com/eNgz-Om8v>



# PROBLEM STATEMENT

- Need an efficient way to:
- -add new books
- -track issued and returned books
- -display available books

# FEATURES

- add book
- Display all books
- Issue book
- Return book

# DATA STRUCTURES USED

- Structure: book
- -int id
- -char title[100]
- -int available{1=available,0=issued}



# FILE HANDLING

- Binary file: library.dat
- Modes used:
  - 'ab'-add books
  - 'rb'-read books
  - 'rb+'-update books

# FUNCTIONS OVERVIEW

- `Add()` — Add new books
- `display()` - display all books
- `issueBook()` — Mark a book as issued
- `returnBook()` — Mark a book as returned



# ADVANTAGES

- Persistent data storage even after program ends
- Simple and easy to use
- Lightweight project (no heavy dependencies)

# **LIMITATIONS**

- No user authentication (anyone can operate)
- No database integration (limited scalability)
- Console-based interface only (no GUI)

**THANK YOU**