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## **Q.1. Functional and Non-Functional Requirements**

### **Functional Requirements**

- Provide state-of-the-art research facilities.
- Work on different projects.
- Develop a Library Information System (LIS).  
Borrow a book.
- A member to extend the date of his borrowing.
- For the library staff, this system
- Aids them to easily handle day-to-day.
- The librarian, who has administrative privileges and complete control over the system, can enter a new record into the system when a new book has been purchased, or remove a record in case any book is taken off the shelf.

### **Non-Functional Requirements**

- Deliverable would be a web application (using the recent HTML 5).
- Run only within the institute LAN.
- Reduces security risk of the software to a large extent.
- Issuing or returning books is restricted to valid users (members) of LIS only.
- no confidential information (eg., passwords) is stored in plain text.

## **Q.2. Scope, Features and Non-Functional Aspects**

### **Scope**

- Disabling hearing loss.

## **Features**

- Our mobile application uses artificial intelligence.
- Immediate alerts and continual logging.
- Optimized for Android with low-latency.

## **Non-Functional Aspects**

- Sensors should be sound sensitive and Amplify it
- A fast and responsive system for low latency (user satisfaction)