

# BOOK LENDING AND RETURNING MACHINE

BACHU CHAITANYA KUMAR  
PENDLI SRI CHARAN

BHANU PRAKASH KANDULA  
KANISHKAR JAYAKUMAR

BANDARUPALLY VAMSHI KRISHNA



**Problem:** Delay in Performing Library Tasks.

**Product:** Our solution is to automate the process and provide an easy management system.

## Initial Prototype:

Our main theme is Web application. Initially we've prepared prototype using Raspberry PI.

## Business:

**Market Research:** Libraries of GRIET, VNR VJIT are interested.

**Cost & Revenue:** RFID :Rs.6,00,000/- for machine with 10k books.

Bar Code: Rs.4,50,000/- machine with 50k books.

**Sales & Marketing:** Direct selling and through website.

## Technology:

Our technology is RFID and Bar Code. Windows(OS)

## Customer Stories:

VJIT Agreed to buy our product based on the reference and GRIET agreed for installation of the product.

## Progress:

- **Week1:** Identification of product gaps for market fit.
- **Week2:** Conducted a survey ,gathered requirements and planning.
- **Week3:** Redesigned software and quality improvement.
- **Week4:** Fabrication redesign to a compact model.
- **Week5:** Strategic planning of the business development.
- **Week6:** Finalized the design and the software of the product.

## Contributors:

- Mentor Sandeep suggested gaps in the software and gave some new leads.
- Dr.Vijaya Kumari helped to find the customers in the region and gave us good encouragement.
- Mentor Satish gave mentored in go to market and sales and presentation.
- We learnt how to manage the company and planning about the product from the J-Hub.