



# **Final Presentation On**

**Software Project Lab II**  
**By Team Twins**

**Project Name : IIT Library**



# Supervised By

**Dipok Chandra Das**  
**Assistant Professor**  
**Institute of Information Technology**  
**Noakhali Science and Technology**  
**University**

# Our Team Style



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**Ratna Kumar Tripura**



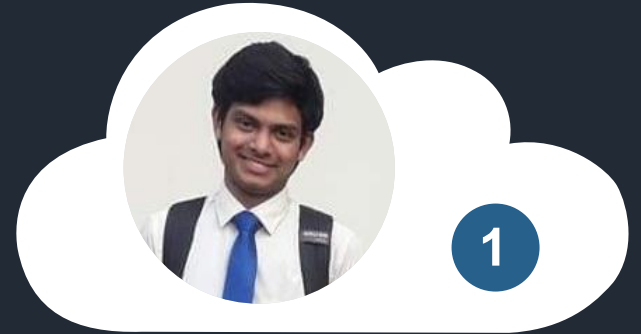
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prosanto2514@student.nstu.edu.bd

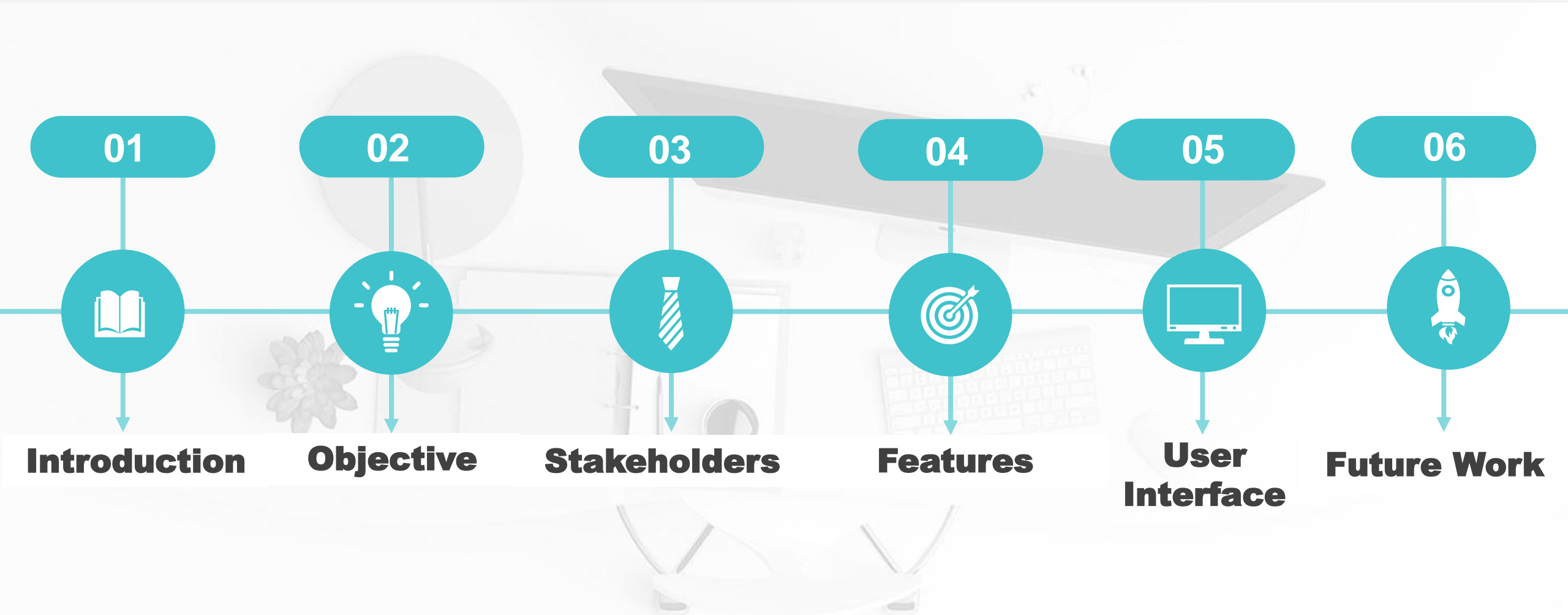


facebook.com/prosantoDEB



**Prosanto Deb**

# Table of Contents



# Introduction

Introducing “IIT Library” that provides a hassle-free system. Using this system, we can easily borrow books and return them within a specific period. To manage membership, the system has a unique registration process for each individual authentic member of the IIT Library. Using this system, the users can easily search the books in the library. Moreover, the system calculates the fine due for non-return book and also get electronic copies of the books if they are available.



# Objective

Transforming Manual to Automated Library System



# Stakeholders

## Suppliers

Individuals and teams that are part of the organization that develops the software product – Team Twins, IIT, NSTU



## Change Control Board

Responsible for reviewing or proposing changes, approving/disapproving changes, ensuring that approved changes are implemented and validated – Faculty Members, IIT, NSTU

## Acquirer

- Customers who request, purchase, and/or pay for the software product – IIT NSTU
- End-users who actually use the product directly or indirectly – Students, Teachers, and Staff

# Features

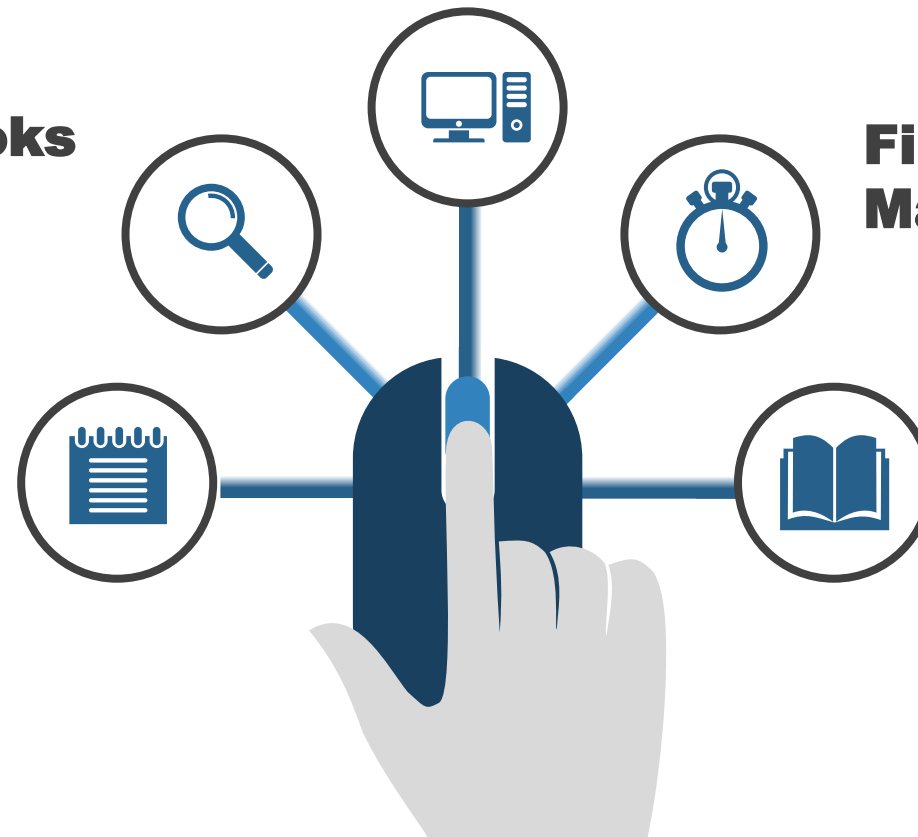
## Advanced Booking and Electronic Copy of Books

**Searching Books**

**Fine  
Management**

**Membership  
Management**

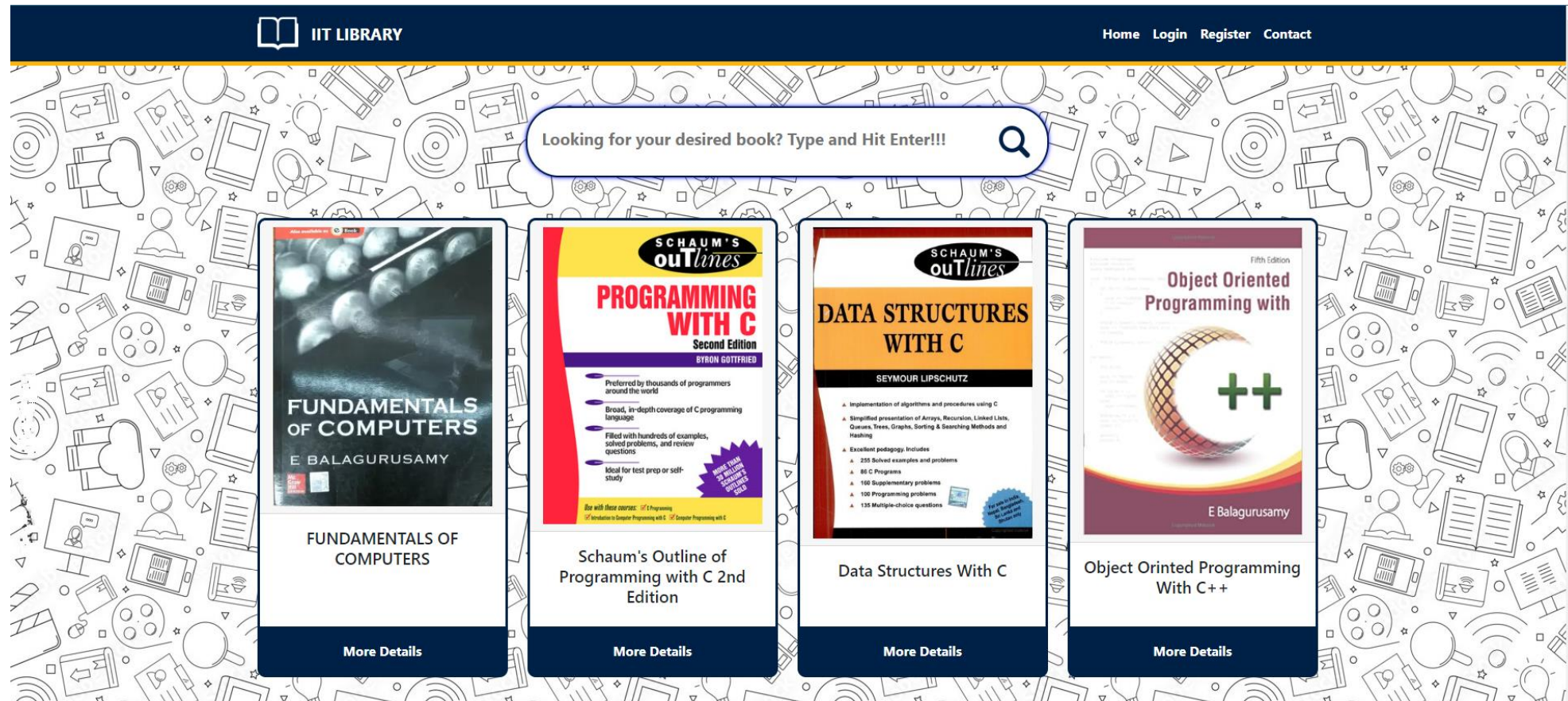
**Borrow and  
Returning Books**






# Home Page

## (User)



# Book Request

## (User)

 User

HomeNew Book RequestWatchProfileLogout

### New Book Request

**Book Title\***

**Author Name\***

**Book Edition\***

**Book Publisher**

**Book Source**

**ISBN**

**Send New Book Request**

# My Booking

## (User)



User

[Home](#) [New Book Request](#) [Watch](#) [Profile](#) [Logout](#)

[My Bookings](#)  
[My Book Requests](#)  
[My Borrowed Books](#)

### My Bookings

No	Booking ID	Accession Number	Booking Date & Time	Valid Until	Action
1	B13910423209	A12342678917	2022-09-20 21:18:52	2022-09-23 21:18:52	<a href="#">Cancel Booking</a>

### Contact

Institute of Information Technology  
Noakhali Science and Technology University (NSTU)  
Noakhali-3814, Bangladesh

[iit@nstu.edu.bd](mailto:iit@nstu.edu.bd)  
 [01883-009900](tel:01883-009900)

Activate Windows  
Go to Settings to activate Windows.

# New Book Request

## (User)



User

[Home](#) [New Book Request](#) [Watch](#) [Profile](#) [Logout](#)

[My Bookings](#)  
[My Book Requests](#)  
[My Borrowed Books](#)

### My Book Requests

No	Request ID	Title	Author	Edition	Publisher	Source	ISBN	Status
1	R13325362806	Java	ABC	4	XYZ	Amazon	12312313	rejected
2	R16587371400	C Programming	ABC	4	XYZ	Amazon	122323123	resolved

### Contact

Institute of Information Technology  
Noakhali Science and Technology University (NSTU)  
Noakhali-3814, Bangladesh

[iit@nstu.edu.bd](mailto:iit@nstu.edu.bd)

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Go to Settings to activate Windows.

# My Borrowed Books

(User)



User

[Home](#) [New Book Request](#) [Watch](#) [Profile](#) [Logout](#)

## My Borrowed Books

No	Borrow ID	Accession Number	Borrow Date & Time	Valid Until	Action	Return Date & Time	Days Passed After Due Date	Fine
1	B13910423209	A12342678917	2022-09-20 21:23:29	2022-09-27 21:23:29	<a href="#">Extend Time</a>		0 days	0 Tk
Total Fine								0 Tk

## Contact

Institute of Information Technology  
Noakhali Science and Technology University (NSTU)

Activate Windows  
Go to Settings to activate Windows.

# List of Books

## (Librarian)



Librarian

[Home](#) [Add New Book](#) [Watch](#) [Users](#) [Profile](#) [Logout](#)

Looking for your desired book? Type and Hit Enter!!!



### List of Books

No	Accession No	Title	Author	Edition	Date of Publication	Publisher	Number of Pages	Number of Books	Action
1	9780070141605	FUNDAMENTALS OF COMPUTERS	E Balagurusamy	0		McGraw Hill	495	7	<a href="#">Add Book</a>
2	9780070240353	Schaum's Outline of Programming with C 2nd Edition	Byron S. S. Gottfried	2	06-22-1996	McGraw Hill	552	8	<a href="#">Add Book</a>
3	9780070370141	...	...	...	...	...	554	12	<a href="#">Add Book</a>

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Go to Settings to activate Windows.

# User Booking

## (Librarian)



Librarian

[Home](#) [Add New Book](#) [Watch](#) [Users](#) [Profile](#) [Logout](#)

### User Bookings

No	Booking ID	User ID	Accession Number	Booking Date & Time	Valid Until	Action
1	B13910423209	T32449247494	A12342678917	2022-09-20 21:18:52	2022-09-23 21:18:52	<a href="#">Give Book</a>

### Contact

Institute of Information Technology  
Noakhali Science and Technology University (NSTU)  
Noakhali-3814, Bangladesh

[Activate Windows](#)



# New Book Request

## (Librarian)



Librarian

[Home](#) [Add New Book](#) [Watch](#) [Users](#) [Profile](#) [Logout](#)

### New Book Requests

No	Request ID	User ID	Title	Author	Edition	Publisher	Source	ISBN	Action	
1	R14042075 503	T32449247 494	C Program	ABC	3	XYZ	Amazon	1234	<a href="#">Process</a>	<a href="#">Reject</a>
2	R14946701 977	T32449247 494	Java	XYZ	2	ABC	Amazon	32142	<a href="#">Resolve</a>	<a href="#">Not Resolve</a>

### Contact

Institute of Information Technology  
Noakhali Science and Technology University (NSTU)  
Noakhali-3814, Bangladesh

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# User Borrowed Books

## (Librarian)



Librarian

[Home](#) [Add New Book](#) [Watch](#) [Users](#) [Profile](#) [Logout](#)

### User Borrowed Books

No	Borrow ID	User ID	Accession Number	Borrow Date & Time	Valid Until	Return Date & Time	Days Passed After Due Date	Fine
1	B13910423209	T32449247494	A12342678917	2022-09-20 21:23:29	2022-10-04 21:23:29	<a href="#">Receive Now</a>	0 days	0 Tk
Total Fine								0 Tk

### Contact

Institute of Information Technology  
Noakhali Science and Technology University (NSTU)

Activate Windows  
Go to Settings to activate Windows.

# User Approve Request

## (Librarian)

2022-09-08

**Present Address**

Brahmanbaria

**Postcode**

3400

**Permanent Address**

Brahmanbaria

**Postcode**

3400

**Mobile Number**

01793222825

**Personal Identification Number**

123456

**Designation**

Professor

Recommend For Approval

Remove Request

# Home Page

## (Director)



Director

[Home](#) [Librarian](#) [Users](#) [Book Report](#) [Profile](#) [Logout](#)

### Top 5 Books (In Quantity)

No	Title	Author	Edition	Publisher	Source	Number of Books
1	Object Oriented Programming With C++	E Balaguruswamy	0	McGraw Hill	Amazon	17
2	Data Structures With C	Seymour Lipschutz	0			12
3	Computer Algorithms: Introduction to Design and An	Sara Baase	3	Pearson	Amazon	11
4	Schaum's Outline of Programming with C 2nd Edition	Byron S. S. Gottfrie	2	McGraw Hill	Amazon	8
Activate Windows Go to Settings to activate Windows.						

# User Approval

## (Director)

ST/00000000

**Personal Identification Number**

123456

**Designation**

Lecturer

Approve

Send for Recheck

Remove Request

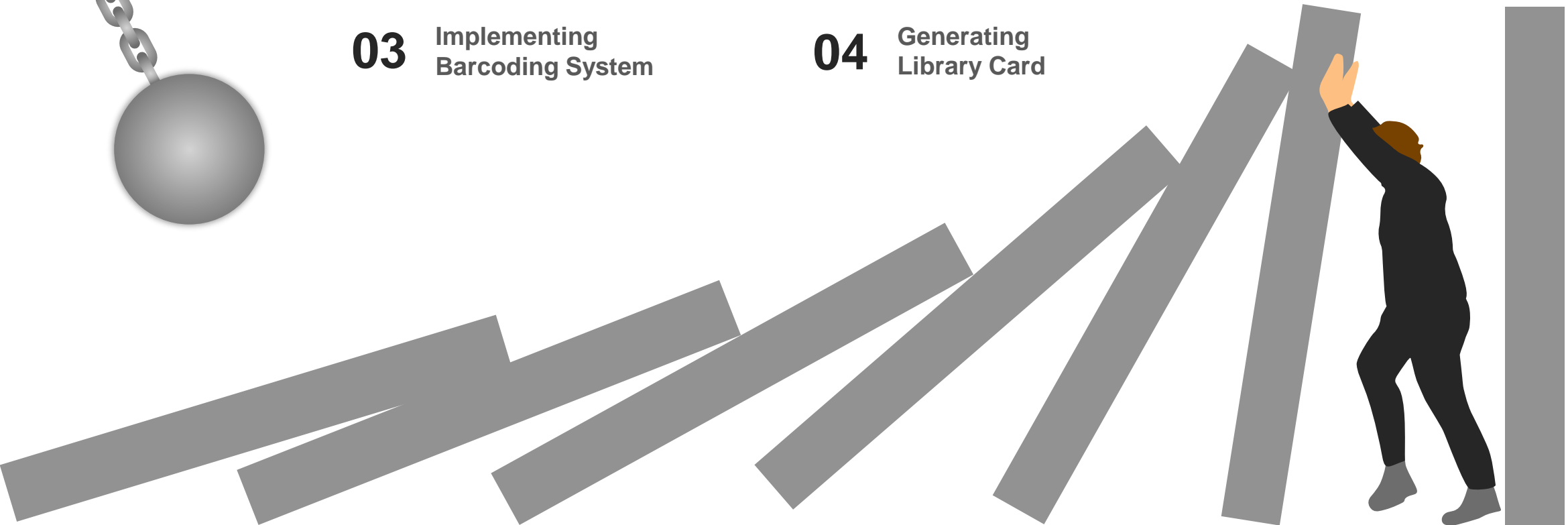
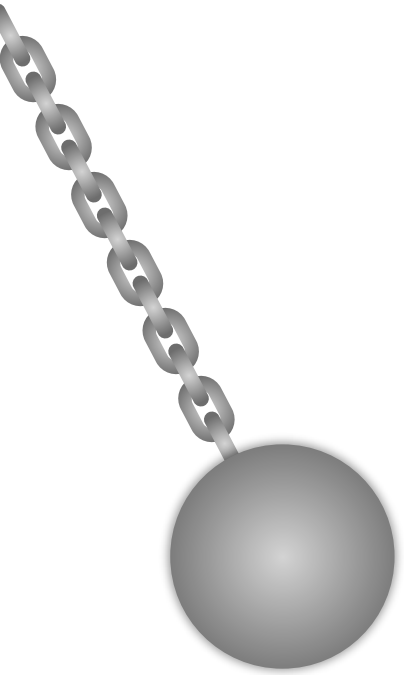
# Future Work

**01** Sending Text Message  
as Response

**02** Implementing  
Payment Gateway  
for receiving fine

**03** Implementing  
Barcoding System

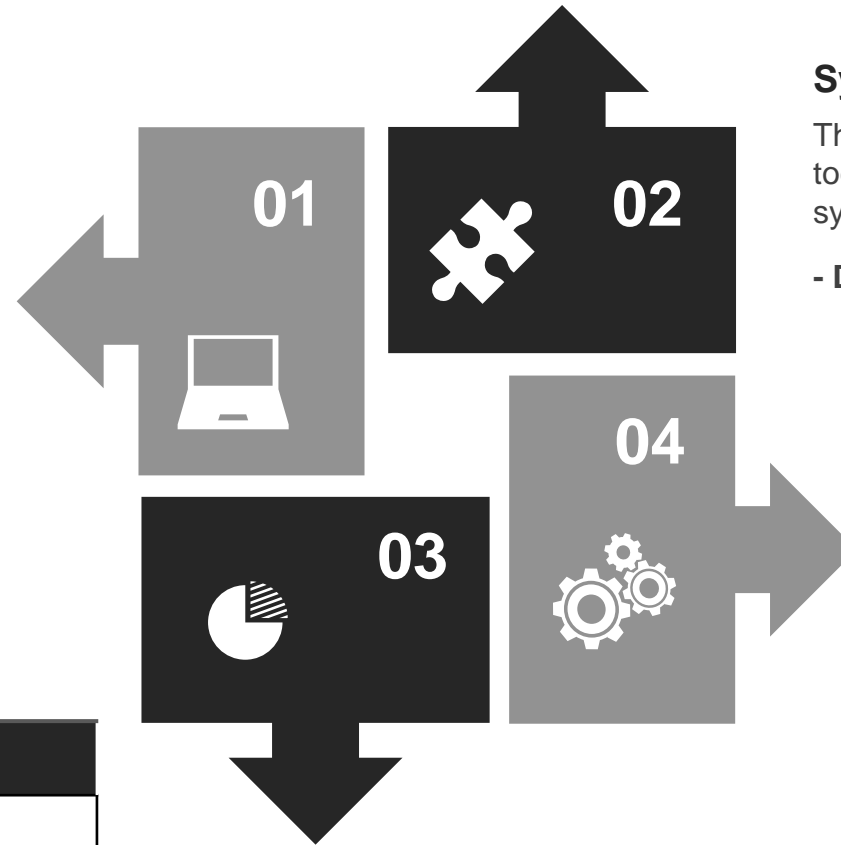
**04** Generating  
Library Card



# Team Contribution

Module Name	Member
Home Page, Book Info, Borrow Book, Booking, Book Request Handling, Profile Update	<b>Prosanto Deb</b>
Login, Register, Add New Book, Add User, Add or Remove Librarian, Watch Book Requests.	<b>Abdullah Alif</b>
Register Page (Front end), Header, Footer, Creating Tables, User Details (Front end)	<b>Ratna Kumar Tripura</b>

Slide Preparation
<b>Prosanto Deb</b>
<b>Abdullah Alif</b>
<b>Ratna Kumar Tripura</b>



## System Integration

The process of bringing together the component sub-systems into one system.

- Done By Prosanto Deb

## Testing and Debugging

<b>Prosanto Deb</b>
<b>Abdullah Alif</b>



# Thank You

