

TITLE OF THE PROJECT:

Smart Stacking system in library

PROJECT MEMBER'S NAMES:

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GUIDE NAME	SIGNATURE:
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OBJECTIVE:

To enhance the stacking system in the library using RFID tag and LED routing.

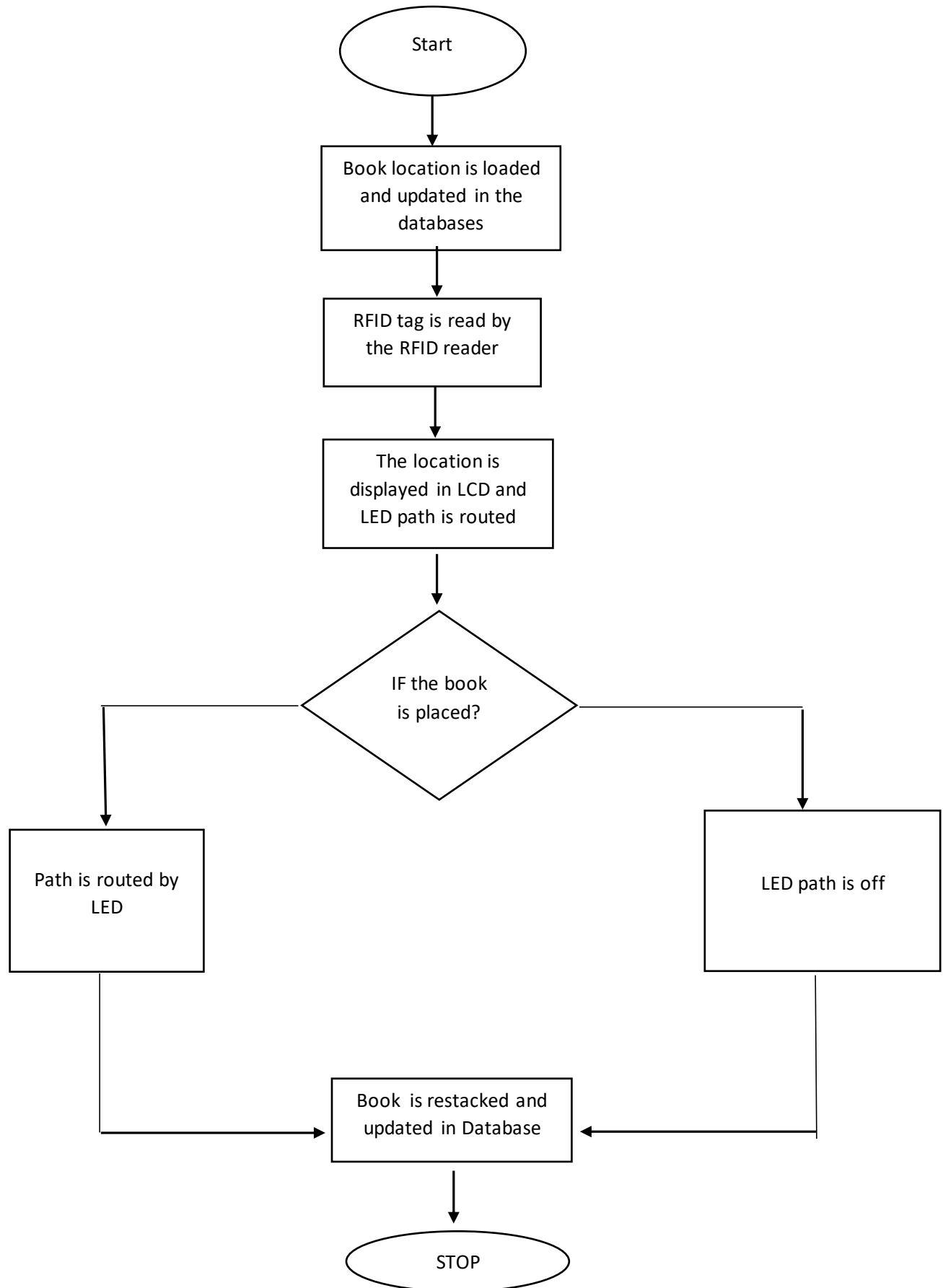
PROBLEM STATEMENT:

Book Stacking in a library is a big issue faced by the librarian and the readers. Everytime, the librarian needs to check the database to know the location of the book with respect to the number which is a time taking and difficult process. In order to overcome this problem, smart stacking using RFID can be used.

TOOLS REQUIRED FOR THE IMPLEMENTATION:

- RFID Reader
- RFID Tag
- 26 matrix LED Arduino
- 16*4 LCD display\

BLOCK DIAGRAM/FLOW CHART:



TIME SCHEDULING:

Time	Work schedule
Week 1	Visiting libraries and problem analysis
Week 2	Study and analysis of RFID implementation
Week 3	Schematic of the project
Week 4,5	Getting components and working on it
Week 6	Completion of 40% project (First review)
Week 7,8,9	Implementation of Led routing using Arduino
Week 10,11,12	Completion of project
Week 13,14	Preparation of report
Week 15	Final review

REFERENCE:

- Smart Library Management System using RFID - Vol. 4, Issue 4, April 2015 by Dr.Annaraman, P. Thamarai , Dr. T.V.U. Kiran Kumar
- <http://rfid.stallionsoft.com/Application/Stallion%20RFID%20Library%20Management.pdf>