

RFID Based School Management System



Our implementations of RFID for Schools are tailored to each client and each budget.

Our RFID Solutions for Schools Covers The following Areas

Attendance



Vehicle



Miscellaneous



School Attendance Management



Block Entrance or Floor Entrance

- Each student would be provided an UHF RFID based ID Card.
- A RFID Reader and Antenna would be placed in each corridor or entry / exit gates of the facility.
- A motion sensor would be kept at the entry / exit gates to ensure that
 - A single student carries a single ID card
 - Any person who enters / leaves through the gate must have an ID Card.
- Optionally: A Visual Display could be provided near the entry / exit gate so that it will display the image of the student entering that gate.



School Attendance Management - Implementation Type

Inside Each Class Room

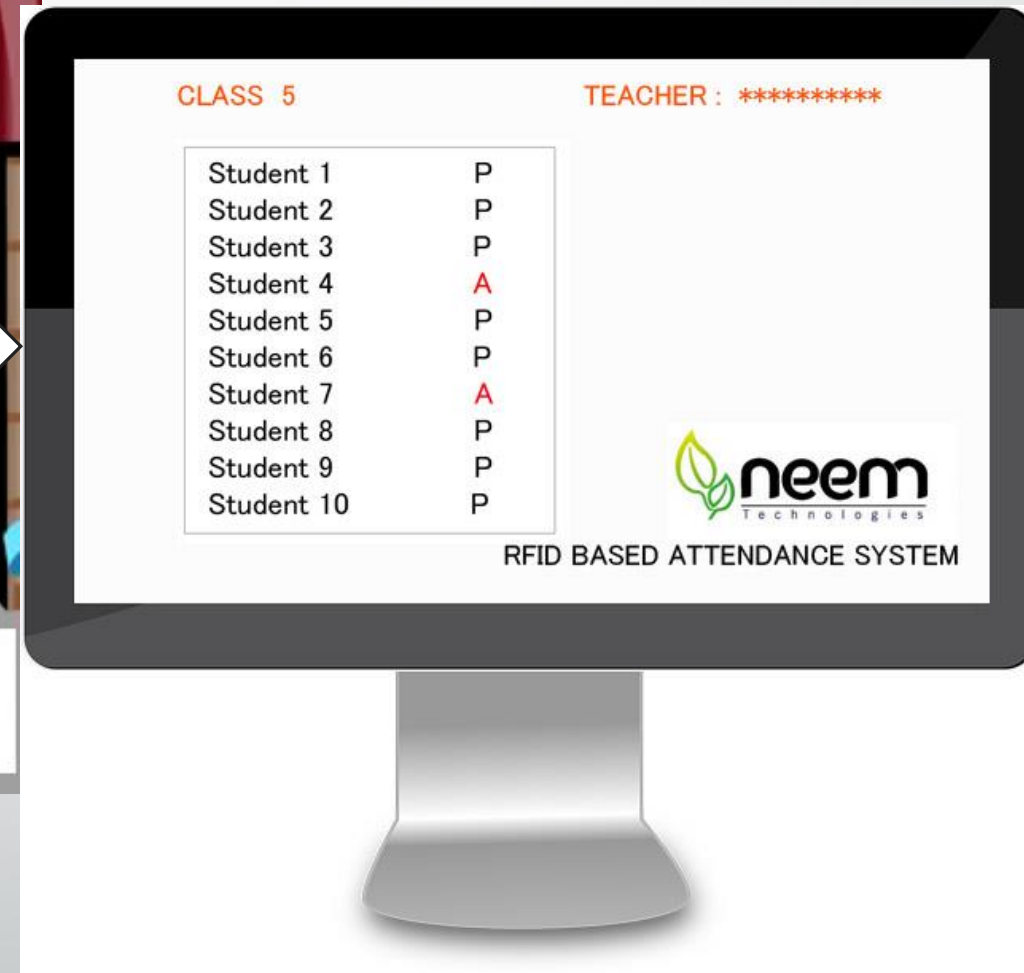


- Each student would be provided an UHF RFID based ID Card.
- A RFID Reader and Antenna would be placed in each class rooms.
- When the student enters their class room, the reader would read their tag and update it in the server.

Common Feature

- Recording late arrivals would not be an issue as the readers are active all the time.

School Attendance Management - Features



Details of each class room is available in the system



CLASS 5

TEACHER :

Student 1	P
Student 2	P
Student 3	P
Student 4	A
Student 5	P
Student 6	P
Student 7	A
Student 8	P
Student 9	P
Student 10	P

Student Vehicle Tracking System



Our Student Vehicle Tracking System Enables You to



Student Related Information

- No of Student Present in the Vehicle at any given point of time.
- Time when a student got on board.
- Time when a student alighted.

Vehicle Related Information

- Current Status Report
- Trip Report
- Idle Time Report
- Asset Utilization Report

School Attendance Management - Components Used



❑ SMS ALERT FOR THE PARENT WHEN STUDENT ENTERS THE GATE

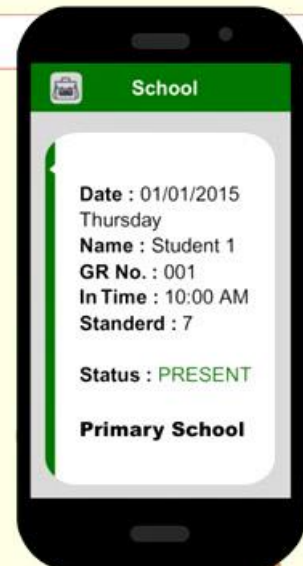
Student 1 Father



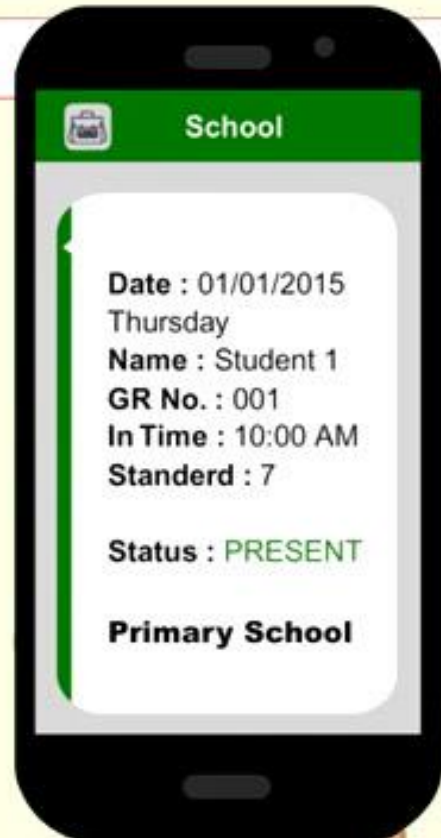
Student 2 Father



Student 2 Father



School Attendance Management - Components Used



Student 2 Father



Student 1 Father

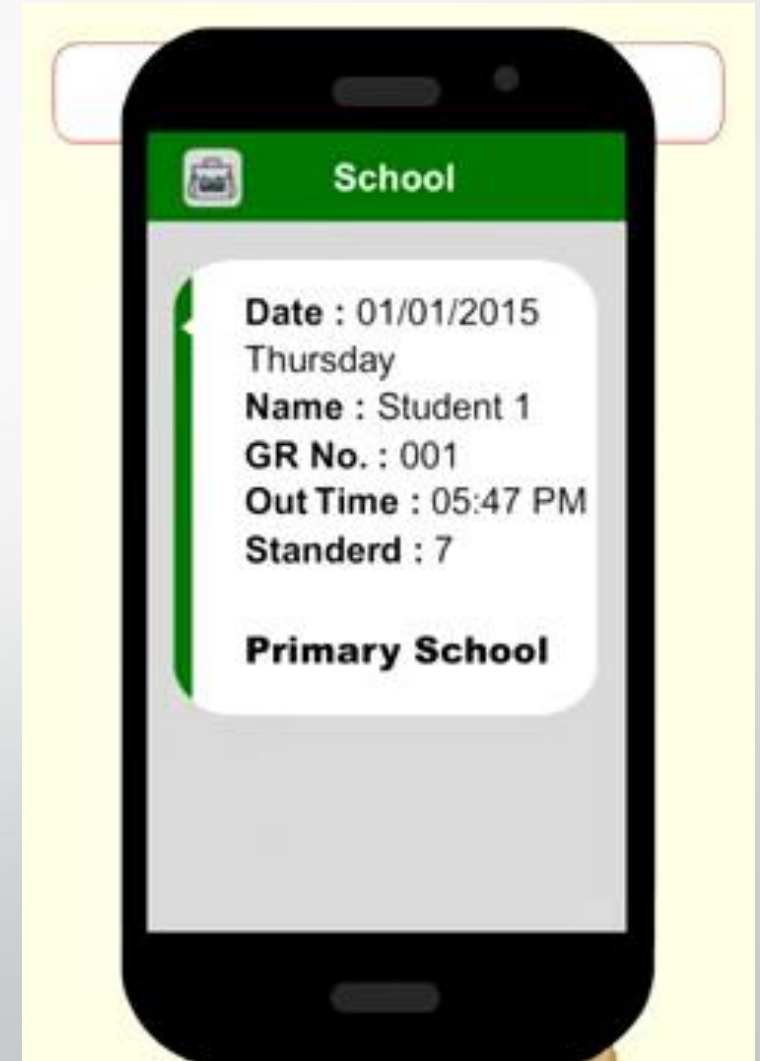


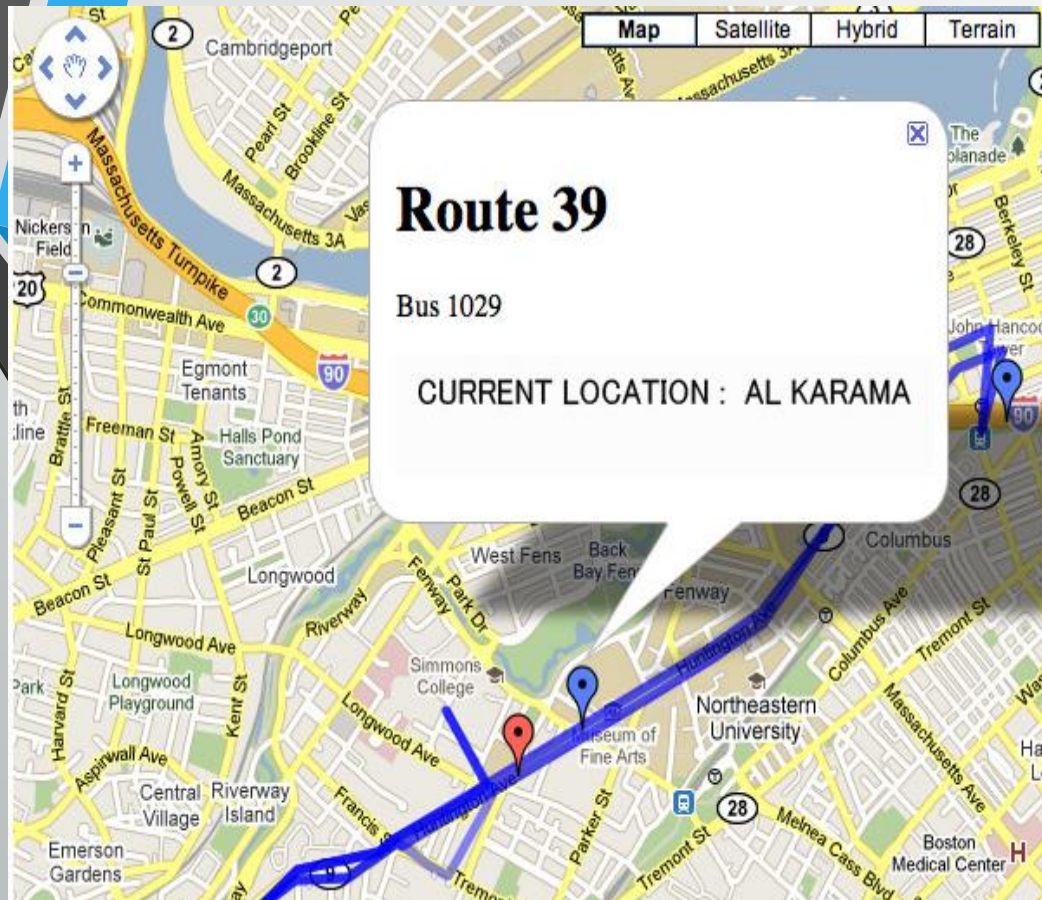
Student 2 Father





❑ SMS ALERT FOR THE PARENT WHEN STUDENT LEAVES THE GATE





Student 1 Father



Student 2 Father

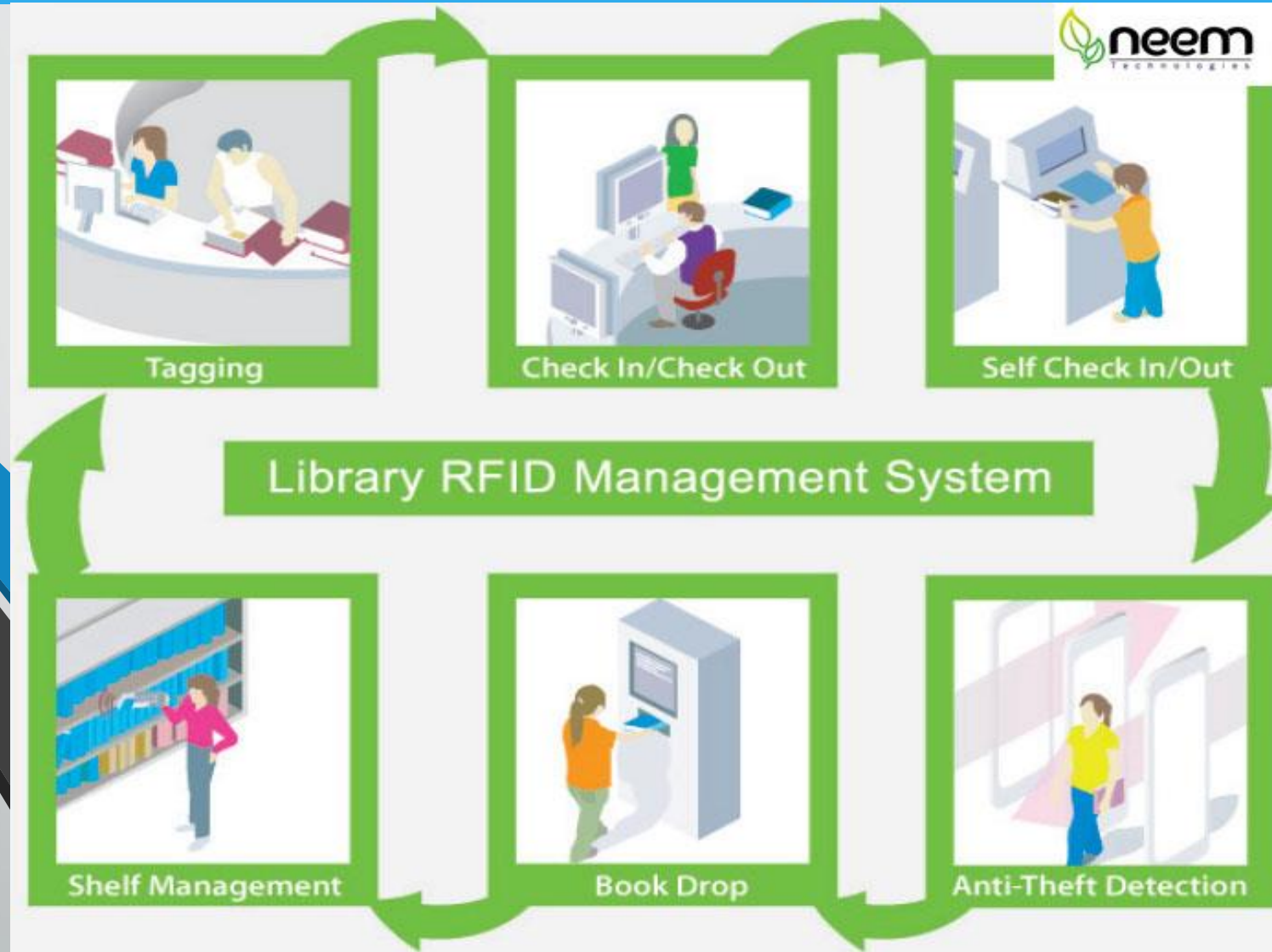


➤ **REAL TIME LOCATION OF BUS AND STUDENT AT PARENTS FINGER TIPS**

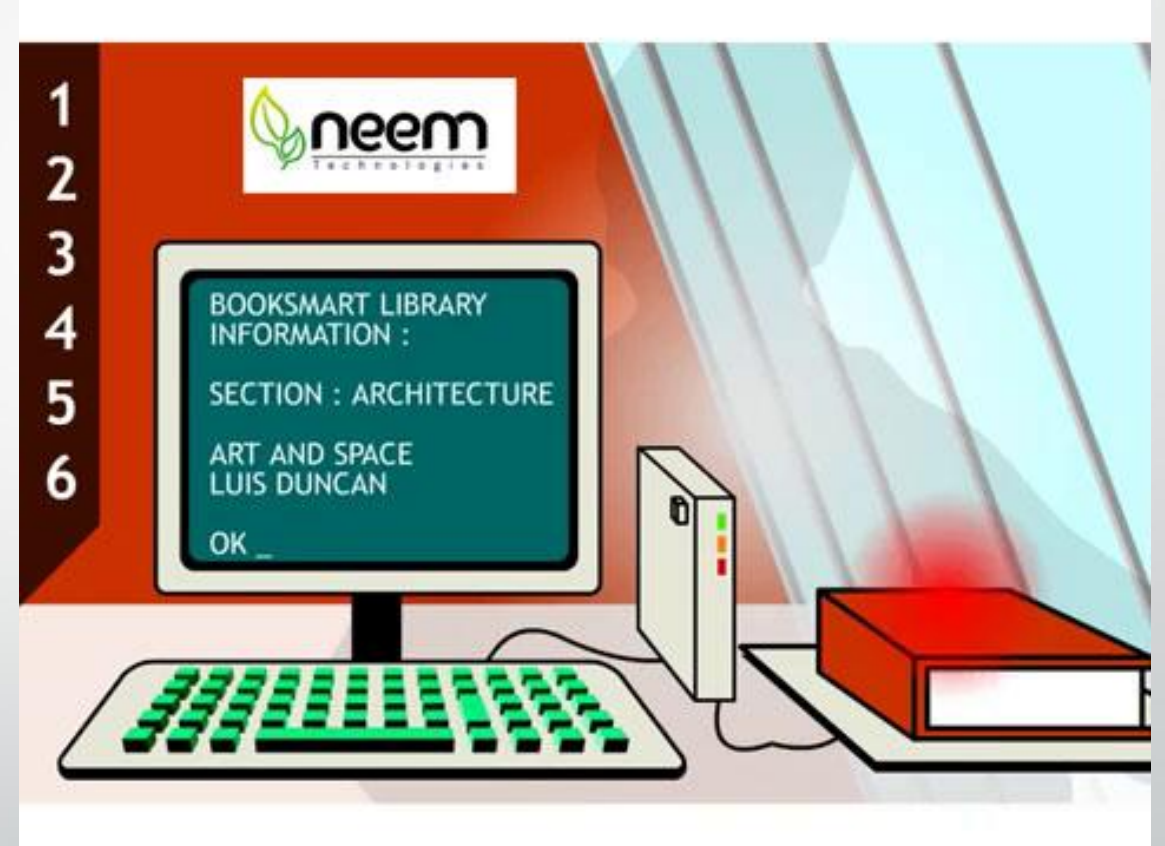
Student Tracking System - Other Benefits

Once the student data is digitized and available in a RFID card i.e. through any of the above system, the same could be implemented for multiple purposes like: -

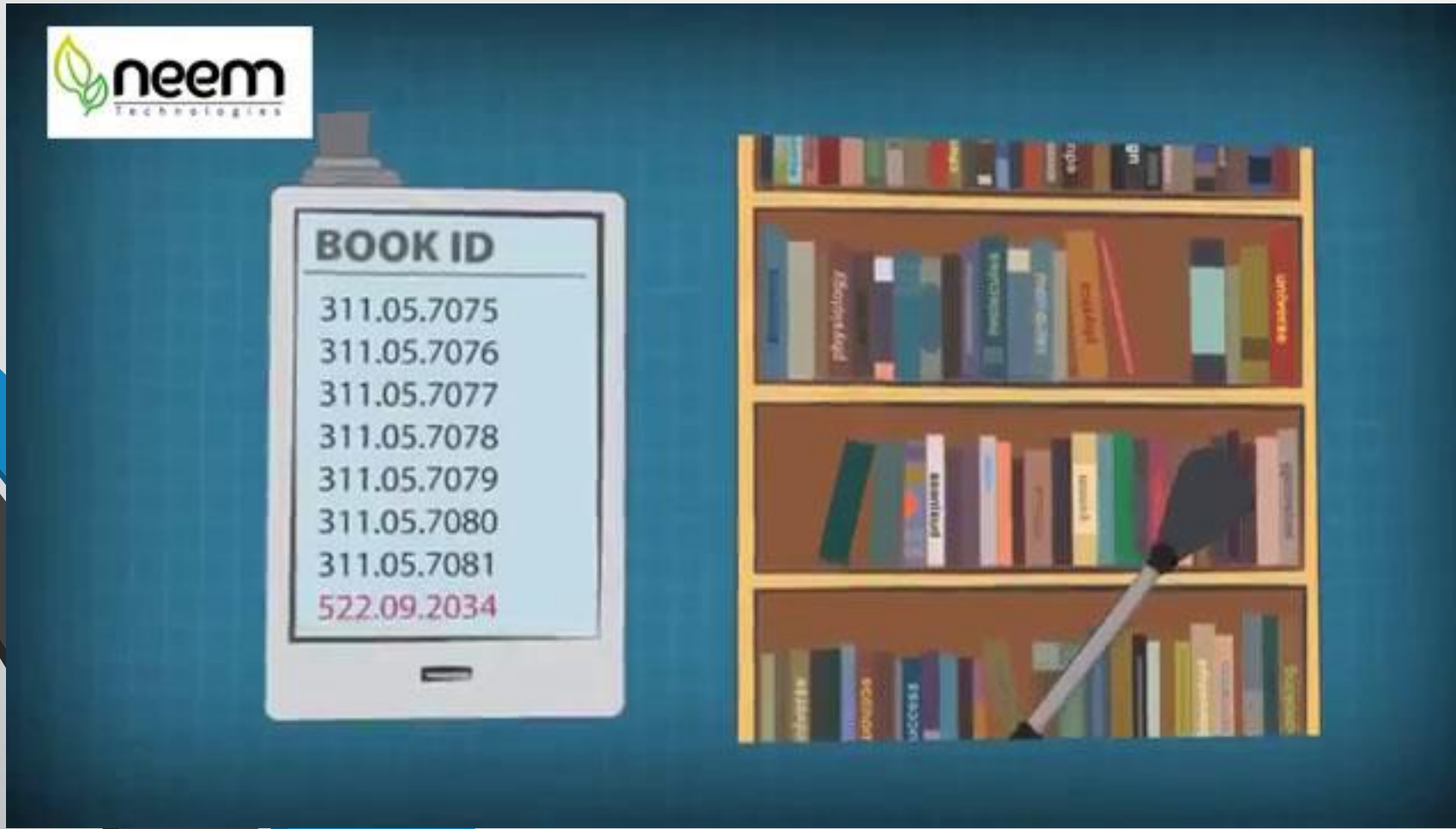
- For Identification, Authentication & Attendance tracking at:
 - a. Campus Entrance Gate.
 - b. Hostel
 - c. Library
 - d. Class Room
 - e. Lab
 - f. Computer Centre
 - g. Examination Hall
- Identification & Authentication at
 - a. Fee Collection Counter
 - b. Library [Circulation]
- As a cash card at
 - a. Canteen / Co-operative Store on Campus
 - b. Library [Fine]
- For Faculties, officials and non-teaching staffs the same system could be used for attendance and leave management.



TAGGING



Tagging is done by entering the details Of the book



LIBRARY MANAGEMENT- Our Solution Enablers



Less Time Consuming

❖ *Simultaneous scanning of books with RFID*



More Time Consuming

❖ *Scanning of books One by one without RFID*

CIRCULATION
File Circulation RFID Help

CHECK-OUT CHECK-IN TRANSACTION RFID READER SECURITY GATE BOOK RESERVE BOOK RENEWAL

RFID Library Card: C001

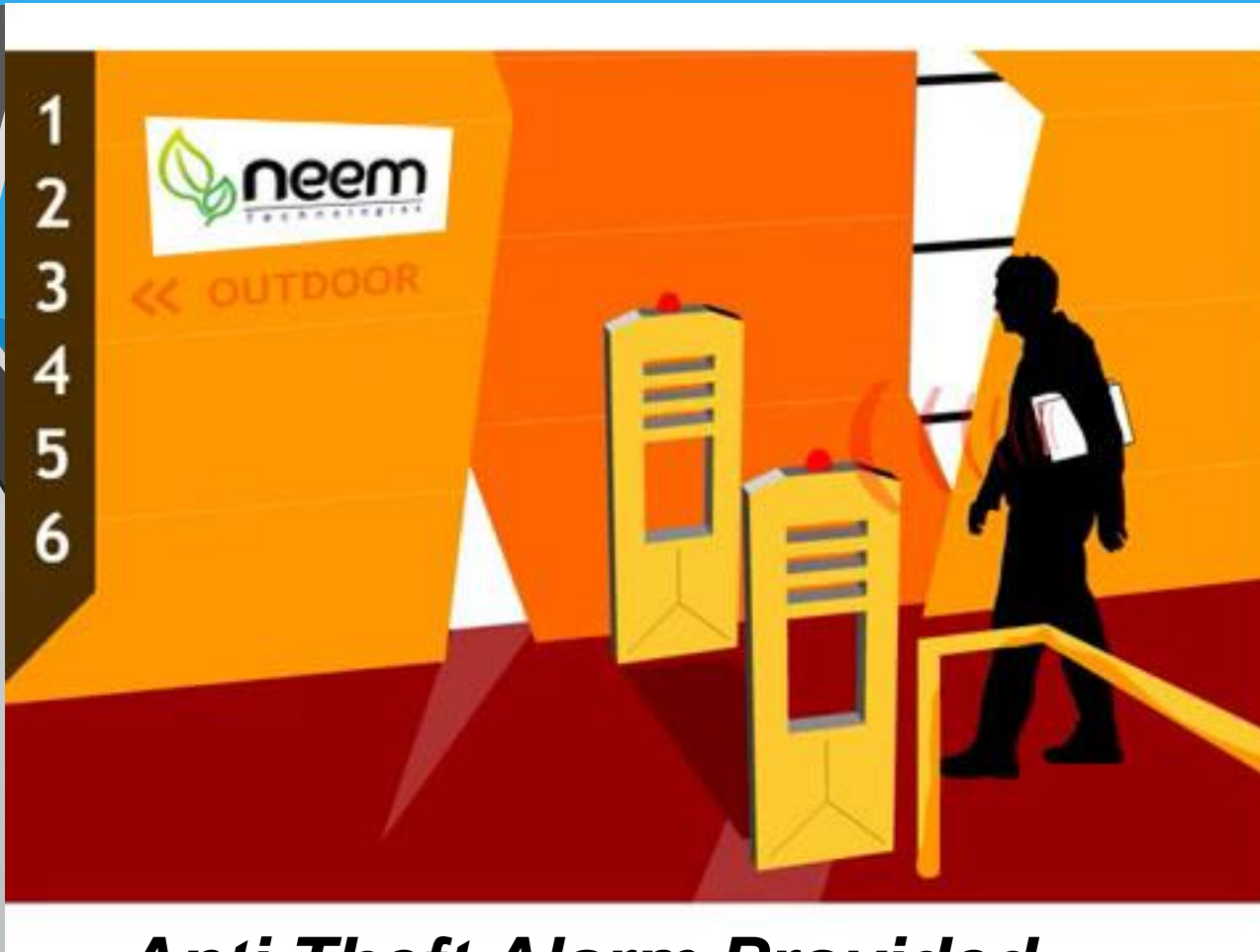
Last Name: DATOY JR. School ID #: 10715976
 First Name: IRENEO Course: BSECE
 Middle Name: MAESTRE Year/Level: 5

RFID Book Tag:

Book Tag	Title	Author	Publisher	Date Borrowed	Due Date
B003	ARTIFICIAL INTELLIGENCE	G.F. LUGER & W.A. STUBBLEFIELD	CUMMINGS PUBLISHING C.	2/22/2012	2/29/2012
B002	STRENGTH OF MATERIALS	A. PYTEL & F. SINGER	HARPER COLLINS PUBLISH	2/22/2012	2/29/2012
B005	METHODS OF RESEARCH AND THE	J.F. CALDERON & E.C. GONZALES	NATIONAL BOOK STORE, I	2/22/2012	2/29/2012
B004	HYDRAULICS	H.W. KING, C.O. WISLER & J.G. WO	JOHN WILEY & SONS, INC.	2/22/2012	2/29/2012
B001	ENGINEERING MECHANICS	F. SINGER	HARPER & ROW PUBLISHE	2/22/2012	2/29/2012



LIBRARY MANAGEMENT- Our Solution Enablers



Anti Theft Alarm Provided

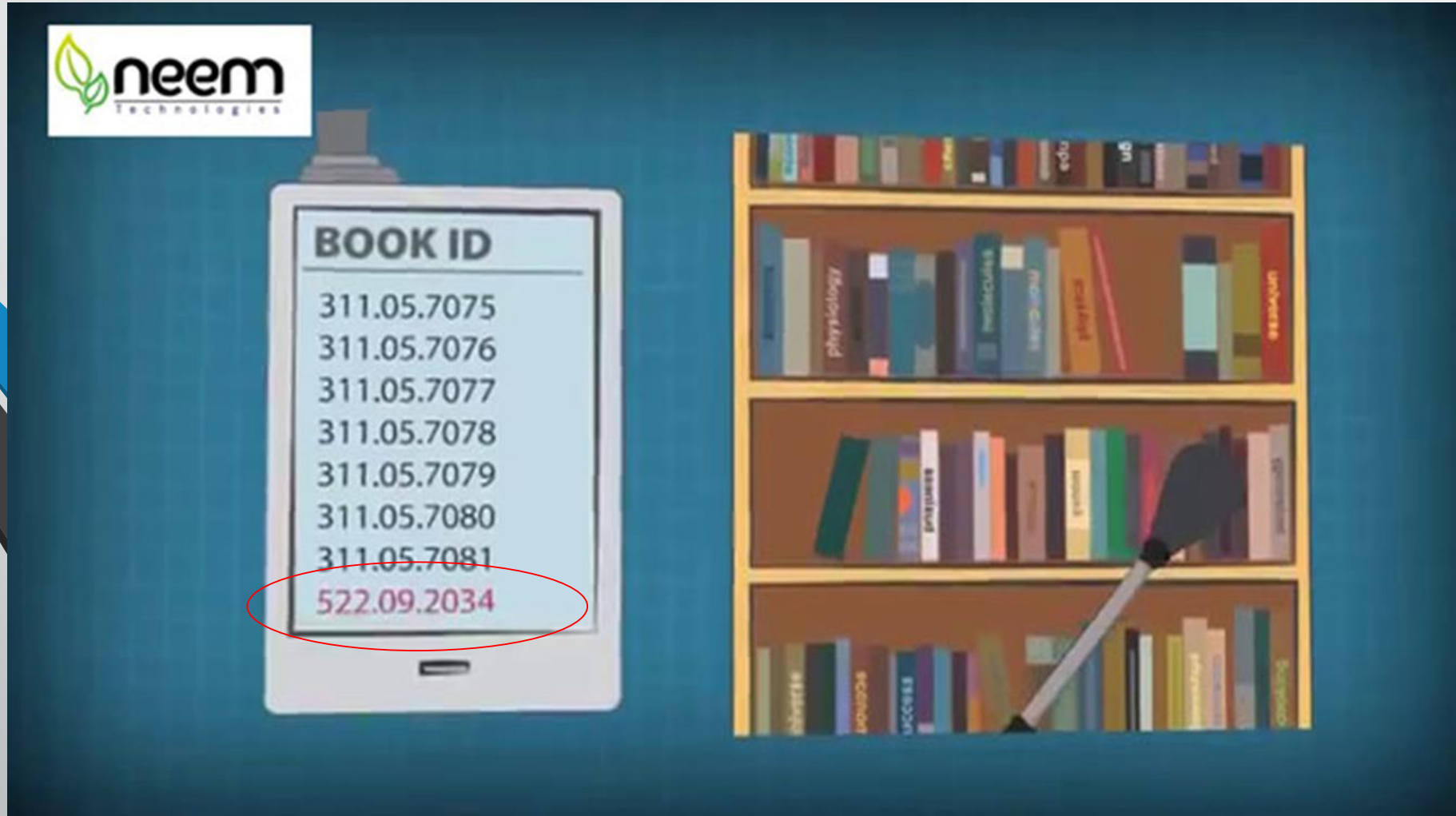


Easy Auditing



*Auditing made Simple by pointing A Hand held
RFID READER Through the Book Shelf .*

LIBRARY MANAGEMENT- Our Solution Enablers



Misplaced books will be Highlighted Automatically