



Simpana

# INVENTORY MANAGEMENT SYSTEM



# OVERVIEW

- **About Us**
- **Mission and Vision**
- **Project Overview**
- **Introduction**
- **Features**
- **Screenshots with functional flow**



# ABOUT US

- Simpana Technologies is all about excellence, passion and flexibility. We have offered world class services in IT consulting, offshore software development, testing and user interface design.
- We work on diverse projects ranging from simple information systems and websites to complex enterprise type architectures, desktop or web-enabled applications, traditional n-tier and service oriented architectures. We follow three main rules to get to our goals: do it on-time, do it within scope and offer the best services.



## OUR MISSION

Our mission combines work and talent. We seek to achieve extraordinary results by helping our clients make distinctive improvements. How do we do it? By leveraging best-of-breed technology and building a great company that is profitable and appeals to, helps develop and retains exceptional people.

Our passion for what we do led us here. Our vision guides our business every day to provide one of the best IT consulting and software development services while taking care of our people and honoring our values.

## OUR VISION





# PROJECT OVERVIEW

Inventory Management System is a material management application which helps the Users to easily maintain the records of the Inventory during the purchase and consumption. It will help to bundle all the data related to the Inventory materials with some advanced features of notifications and emails which will notify users about the activities performing in the application without even login in it.



# INTRODUCTION

- **Tracks, stores, and manages University inventory.**
- **Handles Goods-In/Out operations.**
- **Dashboard monitors operations.**



**This presentation covers the Inventory Management process in a School/University and its key steps.**

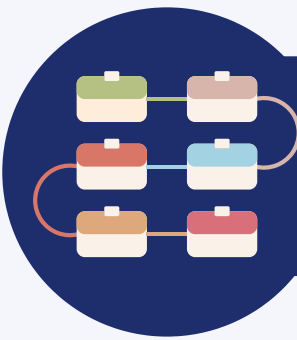


# FEATURES

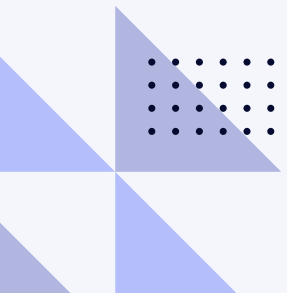
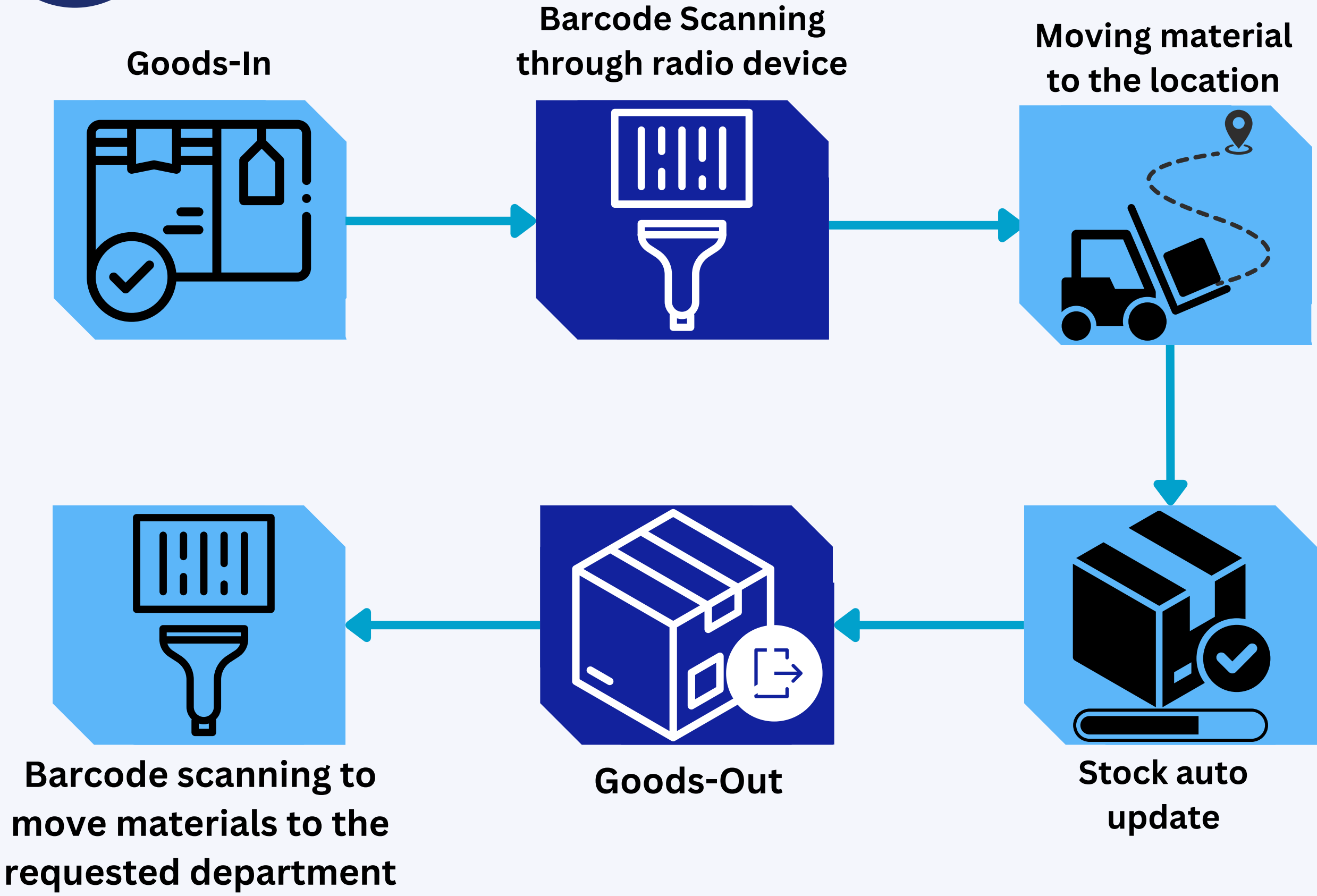


- **Inventory Management Systems (IMS)** streamline and optimize inventory processes. Key features include:
- **Product Catalog:** Database of products with SKU, description, and pricing.
  - **Batch/Serial Tracking:** Traceability through batch or serial numbers.
  - **Order Tracking:** Monitor order status from placement to delivery.
  - **Barcode Integration:** Efficient tracking with barcode scanning.
  - **Low Stock Alerts:** Notifications for low inventory levels.
  - **Notification/Email Settings:** Customizable alerts

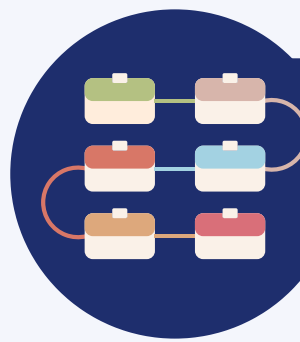
➤ These features enhance efficiency, accuracy, and strategic inventory management. Required features may vary based on the business's unique needs.



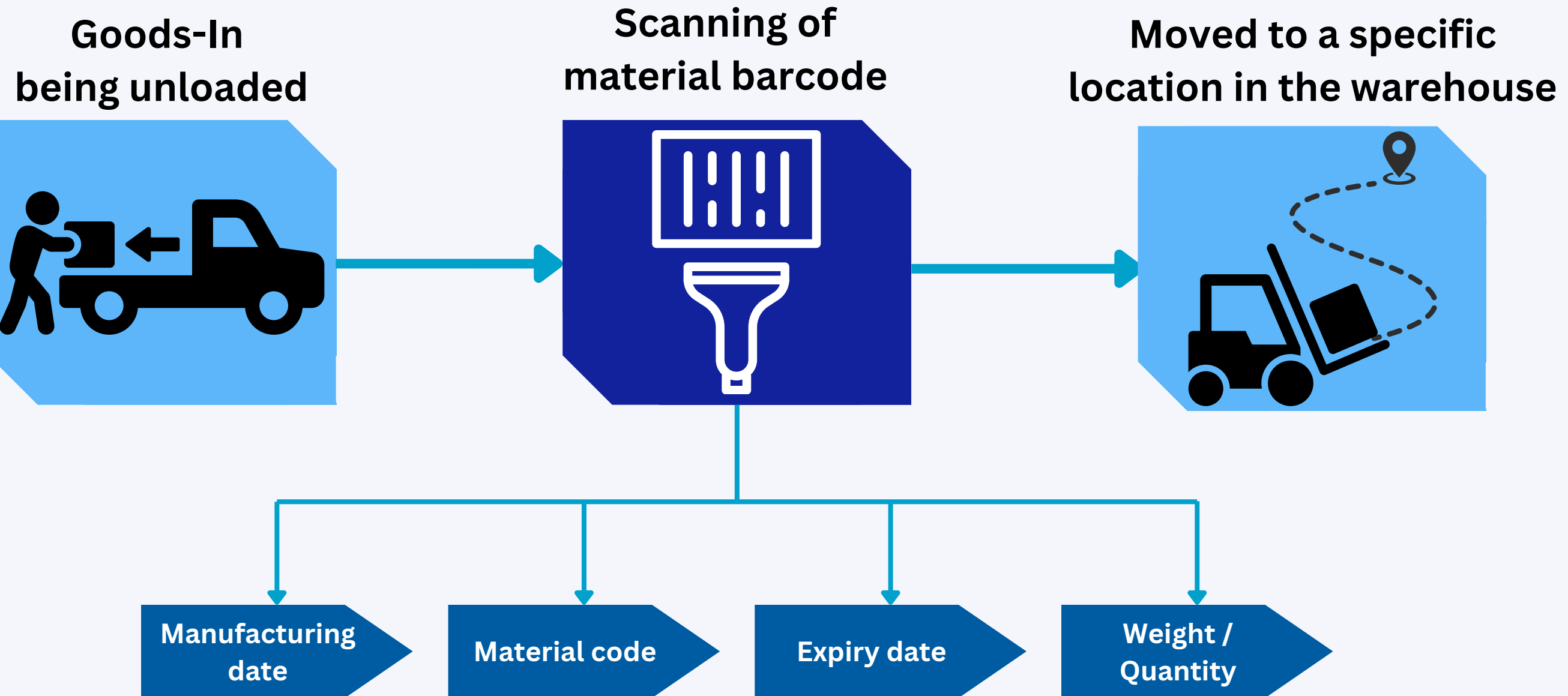
# PROCESS FLOW







# GOODS-IN PROCESS





# User Roles

This system can be accessed by multiple users with valid credentials, and menus depending on the user roles.



Administrator



Department users



Store supervisors

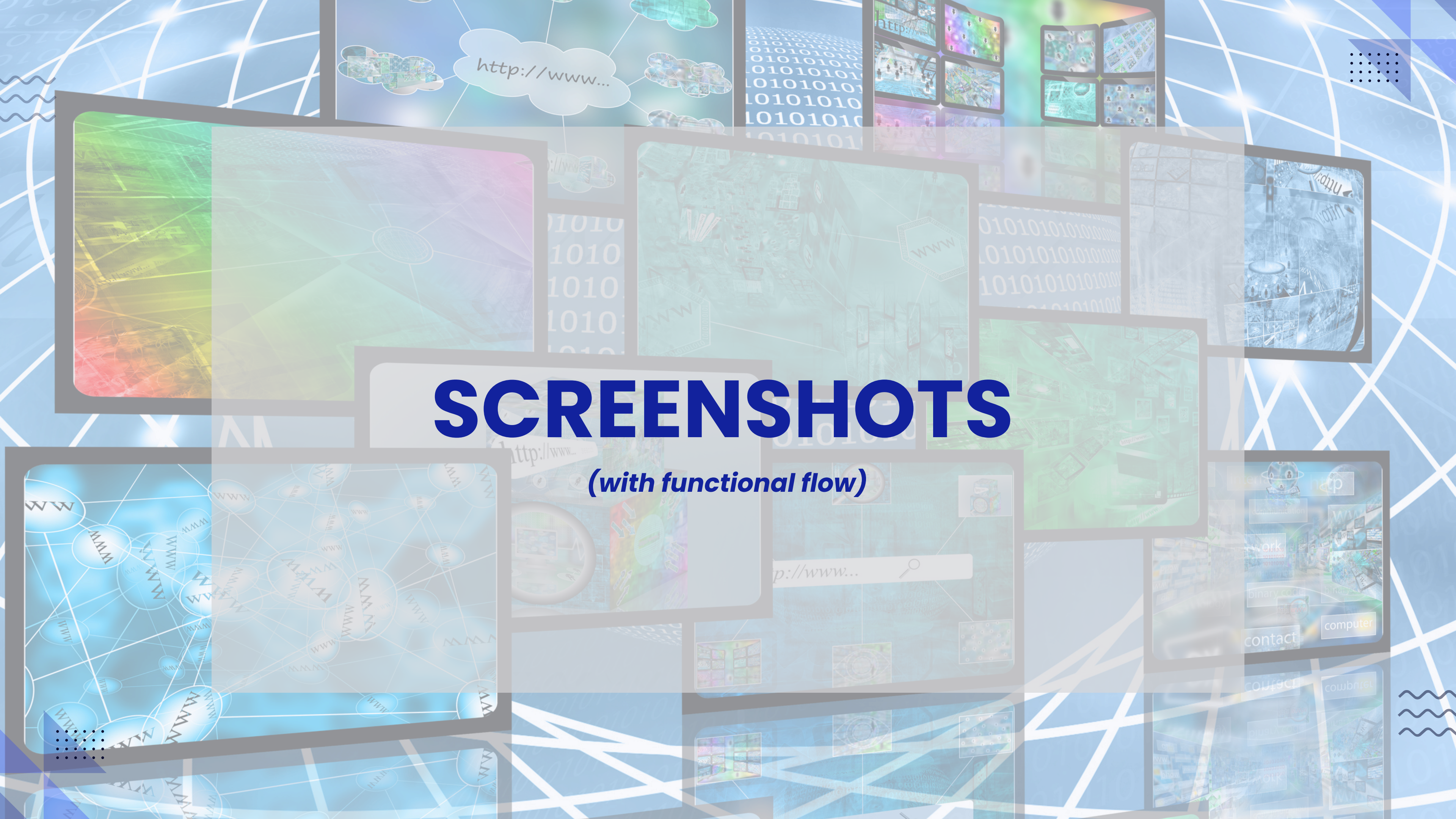


# IMS WORKFLOW

- Inventory receiving
- Scanning and putting in to the specific location
- Department material order request
- Approval for department requests
- Movement of materials in departments

# SCREENSHOTS

*(with functional flow)*





# LOGIN PAGE

- Admin will intimate users with their valid User name and Password to Login in Inventory Management System.
- Users who have their User Id and Password can Login through Login page.
- After successful login user will be redirect to the home page of Inventory Management.

admin

••••

Login

Want to login to Radio? [Click here](#)

SCHOOL / COLLEGE  
MANAGEMENT SYSTEM



# HOME PAGE

- Our Home page is dashboard for the end user. It shows all the module in our application.
- From Home page we can directly reach to any required module.
- We can switch to modules by the navigation bar.



Catalog
Admin
Notification Alert
Stock
Goods Handling
Stock Snapshot
Request Notification
User Guide
Location
Goods In
Movement





# CREATE PRODUCT

- User can create Products and create PO.

The screenshot displays a web application interface for product management. A modal window titled "Create Product" is open, allowing a user to add a new product. The modal contains the following fields:

- Description\***: Text input field containing "COMPANY".
- Category\***: Dropdown menu with "--Select Category--".
- Type\***: Dropdown menu with "--Select Type--".
- Chemical Nature\***: Dropdown menu with "Select Chemical Nature".
- SAP No\***: Text input field containing "43658789".
- Plant\***: Dropdown menu with "--Select Plant--".
- Packaging\***: Dropdown menu with "--Select Packaging--".

A "Save" button is located at the bottom center of the modal. In the background, a table titled "Product Catalog" is visible, showing a list of products with columns for Description, Modified Date, and Modified By. The table is currently on page 1 of 4, showing 20 rows.

Select All	Description	Modified Date	Modified By
<input type="checkbox"/>	ACTIVATED ALUMINA	4/16/2020	admin
<input type="checkbox"/>	ACTIVATED CARBON	4/16/2020	admin
<input type="checkbox"/>	ADSORBENT,N/A:	12/9/2020	admin
<input type="checkbox"/>	ADSRBNT:SZ 2-5MM,...	4/16/2020	admin
<input type="checkbox"/>	ADSRBNT:SZ 7 X 14 M...	4/16/2020	admin
<input type="checkbox"/>	ALUMINA BALLS	12/9/2020	admin
<input type="checkbox"/>	ALUMINA BALLS 13 ...	12/9/2020	admin
<input type="checkbox"/>	ALUMINA BALLS 6 MM	4/16/2020	admin
<input type="checkbox"/>	ALUMINA BALLS,SOLI...	12/9/2020	admin
<input type="checkbox"/>	ALUMINIUM OXIDE	12/9/2020	admin
<input type="checkbox"/>	ALUMINUM BALLS	4/16/2020	admin
<input type="checkbox"/>	AMBERJET 1000	4/16/2020	admin



# Delete Product

- List Page shows the record of multiple purchase order.
- Records can be filter by PO number Description etc.

Goods Handling >> Goods Received >> Create PO

Select All	PO Number	SAP No	Create BAGS	View Pallet	Description	Packaging	Vendor Name	Order Quantity	Receive Quantity	Location	Remark	
<input type="checkbox"/>												
	22220009	22200098	<a href="#">Create BAG</a>	<a href="#">View Material</a>	LAPTOPS	BAG	IBRAHIM	10	10		CREATING PO F...	UI
	222220009	22200008	<a href="#">Create BAG</a>	<a href="#">View Material</a>	Mobiles	BAG	IBRAHIM	10	10		purchasing mob...	UI
	9090909098	45454545	<a href="#">Create BAG</a>	<a href="#">View Material</a>	CHAIRS	BAG	siraj	10	10		CREATING PO F...	UI
<input type="checkbox"/>	64061857	45454545	<a href="#">Create BAG</a>	<a href="#">View Material</a>	CHAIRS	BAG	KAIF	5	0	T101	OK	COMI
<input type="checkbox"/>	56487676	22200008	<a href="#">Create BAG</a>	<a href="#">View Material</a>	Mobiles	BAG	NAZIM	4	0	F201	GOOD	COMI





# BAG CREATION FOR USER

- User enter the quantity then barcode will be generated for the bags.

The screenshot displays the IMS (Inventory Management System) interface. The main header shows 'IMS Inventory Management System'. The navigation menu on the left includes: Dashboard, Catalogue, Admin, Notification Alert, Stock, Goods Handling, Stock Snapshot, Request Notification, User Guide, Location, Goods In, Movement, and Mission Cancellation. The main content area is titled 'Goods Handling >> Goods Received >> Create PO'. It features a table with columns: Select All, PO Number, SAP No, Create BAGS, Order Quantity, Receive Quantity, Location, Remark, and UI. The table contains several rows of data. A 'CreateBAG' modal form is open in the foreground, containing the following fields and values:

- Manufacture Date: 06 / 05 / 2024
- Expiry Date: 06 / 28 / 2024
- PO Number: 64061857
- Description: CHAIRS
- SAP No: 45454545
- Quantity: Enter Quantity to Cr

A 'Create' button is located at the bottom of the modal form.





# ASSIGNING LOCATIONS

- User can assign location to awaiting stocks.
- Select any row by clicking on the checkbox.
- Select any department from dropdown and select validate.



Goods In >> Bags

Refresh

Select All	SAP No	PO Number	Description	Bag Code	Department Name	Location	Mode	Modified Date	Modified By
<input type="checkbox"/>									
	45454545	64061857	CHAIRS	64061857000000	COMPUTER SCIENCE ...	COMPUTER SCIENCE ...	Awaiting	6/5/2024	admin
	45454545	64061857	CHAIRS	64061857000001	COMPUTER SCIENCE ...	COMPUTER SCIENCE ...	Awaiting	6/5/2024	admin
	45454545	64061857	CHAIRS	64061857000002	COMPUTER SCIENCE ...	COMPUTER SCIENCE ...	Awaiting	6/5/2024	admin

Total number of Data : 3  
Total number of Selected Rows : 0

GoodsIn successful

COMPUTER SCIENCE DEPARTM

--- Select Rack ---

Validate



# RADIO APPLICATION – LOGIN

- User enter the valid Username and Password to sign-in the radio Application.

**Login Id :**

**Password:**

**Login**




# GOODS RECEIVE PAGE – RADIO

- User can select Goods-receive menu.
- User scan the barcode throw the device. Material to move location.

Goods Received	<a href="#">Logout</a>
Goods Issue	
Mission Movement	
Enter Container Value	<input type="text" value="64061857000000"/>
Location	<input type="text" value="COMPUTER SCIENCE DEP."/>
Warehouse	<input type="text" value="COMPUTER SCIENCE DEP."/>
<input type="button" value="Back"/>	<input type="button" value="submit"/>



# **GOODS-OUT PROCESS**





# CREATE ADDITIVES ISSUE REQUEST

- User creates the Material request.
- Request send for Approval to Admin.
- Menu -> Goods Handling -> Goods Issue Request -> Create Request.

The screenshot displays the IMS (Inventory Management System) interface. The main header shows 'IMS Inventory Management System'. The navigation menu on the left includes: Dashboard, Catalogue, Admin, Notification Alert, Stock, Goods Handling, Stock Snapshot, Request Notification, User Guide, Location, Goods In, and Movement. The main content area shows a breadcrumb trail: 'Goods Handling >> Goods Issue Request >> Create Request'. Below this is a table with columns: 'Request By', 'Goods Out Requ...', and 'Goods Out...'. The table contains several rows of data, including entries for 'admin' and 'cs' with various request numbers and dates. A 'Create Request' dialog box is overlaid on the table, containing the following fields:

- Request of Date\***: 05/06/2024
- Date Of Delivery\***: 21/06/2024
- Description\***: Mobiles
- SAP No\***: 22200008
- Packaging\***: BAG
- Available Quantity\***: 1
- Plant\***: COMPUTER SCI
- Request Quantity\***: 1
- Request By\***: admin
- Manager Name**: cs

A 'Submit' button is located at the bottom of the dialog box. The background table has columns for 'Manager Name', 'Request Status', and 'Date Of Delivery', with rows showing 'APPROVED' status and dates like '2020-09-19', '2023-11-29', '2023-11-30', and '2024-03-12'.



# ADDITIVES REQUEST LIST

- Admin can Accept/Reject the department request.
- Menu -> Goods Handling -> Goods Issue Request -> Approve/Reject.



Export Refresh

Previous Page 1 of 1 5 rows Next

SAP No	Request Plant	Approval Date	Required Quantity	Approve/Reject By	Packaging	Manager Name	Request Status	Date Of Delivery	Approve	Closed & Rejected	Print PDF
22200098	University	2020-09-19	1	admin	BAG		APPROVED	2020-09-19	Approved	Rejected	Print PDF
22200098	COMPUTER SCIE...	2023-11-29	2	admin	BAG	cs	APPROVED	2023-11-29	Approved	Rejected	Print PDF
22200008	COMPUTER SCIE...	2023-11-29	2	admin	BAG		APPROVED	2023-11-30	Approved	Rejected	Print PDF
45454545	COMPUTER SCIE...	2024-03-12	2	admin	BAG	cs	APPROVED	2024-03-12	Approved	Rejected	Print PDF
22200008	COMPUTER SCIE...		1		BAG	cs	AWAITING	2024-06-21	Approved	Rejected	Print PDF

Previous Page 1 of 1 5 rows Next

Total number of Data: 5





# GOODS ISSUE – RADIO

- User Select the Goods-issue menu.
- After that select the mission generated for request.
- Scan the barcode through device to validate.

Goods Received	<a href="#">Logout</a>	<b>Select Mission</b> <input type="text" value="188560"/>
Goods Issue		
Mission Movement		

Location	UNIVERSITY WAREHOUSE
WareHouse	UNIVERSITY WAREHOUSE
Container No	22222000900003
Enter Container Value	<input type="text"/>



# GOODS CONSUMED

- Checking in web application Goods Handling -> Goods Consumed menu, if the Material is in Shipped/Dispatched state.



Export

Refresh

Previous Page 1 of 1 20 rows Next

SAP No	Goods Out Request ID	Mission ID	Request Quantity	Request Plant Name	Description	Issued Quantity	Balance Quantity	Date Of Delivery	Goods Out Status
22200098	188483	188484	2	COMPUTER SCIENCE...	LAPTOPS	2	0	2023-11-29	Shipped
22200008	188498	188499	2	COMPUTER SCIENCE...	Mobiles	2	0	2023-11-30	Shipped
45454545	188517	188518	2	COMPUTER SCIENCE...	CHAIRS	2	0	2024-03-12	Shipped
<a href="#">22200008</a>	<a href="#">188559</a>	<a href="#">188560</a>	<a href="#">1</a>	<a href="#">COMPUTER SCIENCE...</a>	<a href="#">Mobiles</a>	<a href="#">1</a>	<a href="#">0</a>	<a href="#">2024-06-21</a>	<a href="#">Shipped</a>

- Dashboard
- Catalogue
- Admin
- Notification Alert
- Stock
- Goods Handling
- Stock Snapshot
- Request Notification
- User Guide
- Location
- Goods In
- Movement
- Mission Cancellation



**Simpana**

**Thank you!**

*Do you have any questions?*



Email

[contact@simpanatech.com](mailto:contact@simpanatech.com)