

Asset Management System Dashboard – UI & Feature Design

A modern, web-based dashboard design for managing company assets across multiple departments (Admin, Sales, IT, HR, Finance). This system focuses on clarity, speed, and daily usability for office operations.

1. Overall Layout Structure

Header (Top Bar)

- Company logo + system name (Asset Management System)
- Global search bar (assets, employees, departments)
- Notification icon (maintenance alerts, overdue returns)
- User profile dropdown (Admin/User, Settings, Logout)

Sidebar Navigation (Left)

- Dashboard
- Departments
- Employees
- Assets
- Asset Tracking
- Asset Category
- Reports
- Settings

Sidebar should be collapsible for tablet view.

2. Dashboard (Overview Page)

KPI Cards (Top Section)

Displayed as clean cards with icons:

- Total Assets
- Assigned Assets
- Available Assets
- Assets Under Maintenance

Charts Section

- Department-wise Asset Distribution (Bar / Donut Chart)
- Asset Status Overview (Pie Chart: Assigned, Available, Maintenance)

Quick Insights Table

Asset Category	Total	Assigned	Available	Maintenance
Laptops	120	90	25	5
Desktops	80	65	10	5
Furniture	200	180	20	0

3. Department Management

Department List View

Department	Total Employees	Total Assets	Actions
IT	25	140	View
HR	10	40	View
Operation	12	55	View
Sales	13	4	View

Department Detail Page

- Department info
- Employee list under department
- Assets assigned to department
- Department-wise asset chart

4. Employee Management

Employee List

Emp ID	Name	Department	Designation	Assets Assigned
EMP101	John	IT	System Admin	3
EMP102	Jerry	Sales	Sales Coordinator	4
EMP103	Albin	Operation	Operation Manager	2

Employee Detail View

- Employee Profile Card
- Assigned Assets Table

Asset ID	Asset Name	Category	Status	Action
AST001	Dell Laptop	Laptop	Assigned	Return

5. Asset Management

Asset List View

Asset ID	Name	Category	Serial No	Condition	Status
123	Kein	IT	90T	XYZ	1

Asset Detail Page

- Asset information
- Current holder (Employee + Department)
- Assignment history timeline

Asset Actions

- Assign asset to employee
- Return asset
- Send asset to maintenance

6. Asset Tracking

Assignment History Table

Asset ID	Employee	Department	Assigned Date	Returned Date
A560	Alan	IT	12-11-2026	15-11-2026

Tracking Features

- Real-time asset location
- Historical usage records

7. Asset Category

Asset Category Summary Table

Asset Category	Total Assets	Assigned	Available	Maintenance
Laptops	120	90	25	5
Desktops	80	65	10	5
Keyboards	150	120	25	5
Telephones	60	45	10	5
Monitors	100	75	20	5
Printers	25	18	5	2
Network Devices	40	30	8	2
Furniture	200	180	20	0

8 .Search & Filters

Global Filters

- Asset Category
- Asset Status
- Department
- Condition

Smart Search

- Search by asset name or serial number
- Search by employee name or ID

9. Reports Module

Available Reports

- Department-wise Asset Report
- Employee-wise Asset Report
- Asset Maintenance Report

Report Features

- Date range filter

- Export to PDF / Excel
 - Printable format
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10. UI & Visual Design Guidelines

- Color Theme: Light background with corporate blue/gray accents
 - Typography: Clean sans-serif (Inter, Roboto)
 - Icons: Consistent outline icons
 - Tables: Sticky headers, pagination, column sorting
 - Charts: Interactive tooltips
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11. Database Overview

Core Tables

- departments
 - employees
 - assets
 - asset_categories
 - asset_assignments
 - asset_maintenance
 - users
-

12. Technology Stack (Suggested)

Frontend

- React
- CSS / Bootstrap

Backend

- Node.js

Database

- MySQL

Charts

- Chart.js / Recharts

13. Security & Best Practices

- Role-based access control
 - Password encryption
 - Input validation
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14. Future Enhancements

- QR code based asset scanning
 - Email notifications
 - Mobile-friendly PWA
 - Asset depreciation tracking
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15. Conclusion

The Asset Management System provides a scalable, secure, and user-friendly solution for managing company assets efficiently. It reduces asset loss, improves accountability, and supports informed decision-making.

Asset Management System – Demonstration Design

The dashboard provides a high-level overview of asset management. Key statistics include:

- Total Assets: 1,340
- Assigned Assets: 820
- Available Assets: 455
- Under Maintenance: 65

Department-wise Asset Distribution (Pie Chart):

Department	Percentage
Admin	24.1%
IT	22.8%
Sales	19.4%
HR	17.9%
Finance	15.7%

Asset Status Overview (Pie Chart):

Status	Percentage
Assigned	61.2%
Available	34.0%
Maintenance	4.8%
Overdue	5%

Quick Insights (Table):

Asset Category	Total	Assigned	Available	Maint.
Laptops	120	90	25	5
Desktops	80	65	10	5
Furniture	200	180	20	0
Finance	200	180	20	0

Navigation and Action Buttons:

- Quick Insights: View All >
- Department Management, Employee Management, Asset Management, Asset Tracking
- Asset Tracking, Asset Category, Reports, Reports

The Asset List page displays a detailed list of assets with various filters and actions. Key columns include:

Asset ID	Name	Category	Serial No.	Condition	Status	Action
AST001	Dell Laptop XPS 15	Laptop	ABC12345	Assigned	Assigned	...
AST002	iPhone 13 Pro	Mobile	XYZ567890	Assigned	Assigned	...
AST003	MacBook Pro 13"	Laptop	MJK987620	Good	Available	...
AST004	HP LaserJet Pro 400	Printer	PRN123987	Maintenance	Maintenance	...
AST005	Lenovo ThinkPad T490	Laptop	LV765432	Good	Assigned	...
AST006	Cisco Switch 2960	Network	CS567890	New	Assigned	...
AST007	Dell OptiPlex 7070	Desktop	DP987654	Good	Available	...
AST008	HP EliteBook 840 G5	Laptop	HP8234567	Good	Overdue	...

Filtering and Actions:

- Asset Category, Status, Department, Condition dropdowns.
- Clear Filters button.
- Action buttons for each asset row (e.g., Edit, Delete, Details).

Department Management

Department	Total Employees	Total Assets	Action
Actual	25	140	View 3
EMP101	17	164	View 3
EMP103	20	170	View 3
EMP107	46	68	View 3
EMP104	12	65	View 3

Showing 1 to 6 of 350 entries

Employee Detail

Employee	Role	Team Manager	Designation	Assigned Assets
John Miller	Manager	4	Designer	AST001 (Assigned) ...
EMP101	John	4	Manager	AST006 (Assigned) ...
EMP102	Sarah	4	IT Specialist	AST016 (Assigned) ...
EMP103	Albin	4	Operator	AST011 (Assigned) ...
EMP104	Hannah	4	Finance	AST011 (Assigned) ...
EMP105	Kristie	4	IT Specialist	AST011 (Assigned) ...

Showing 1 to 6 of 350 entries

Reports

Report Type: Department-wise Asset Report Date Range: 01/01/2024 - 04/01/2024

Department	Owner	Assigned	Available	Maintenance	Overdue
Admin	100	80	60	40	20
Sales	90	70	50	30	10
IT	80	60	40	20	10
Finance	70	50	30	20	10

Asset Category

Category	Total Assets	Assigned	Available	Maintenance
Laptops	120	90	25	5
Desktops	60	65	10	5
Networks	80	65	20	5
Printers	200	180	20	5

Assignment History

Asset ID	Employee	Department	Resigned Date	Resigned Date
AST045	Alon	IT	04/15/2024	04/15/2024
AST052	Samantha	HR	04/10/2024	04/16/2024
AST020	Denzel	Sales	06/05/2024	04/22/2024
AST011	Sarah	Frencce	04/03/2024	04/10/2024
AST004	John	IT	06/15/2024	04/01/2024
AST006	Kristie	IT	06/16/2024	04/01/2024

Showing 1 to 6 of 350 entries

Reports

Date Range: 01/01/2024 - 04/30/2024 Export PDF Ext

Filters

Department: All Asset Category: All Asset Status: All Date Range: 01/01/2024 - 4/30/2024

Asset Reports Table

Department	Asset Category	Total Assets	Assigned	Available	Maintenance
Admin	Laptops	45/30	25	12	3
Sales	Desktops	81/70	51	6	5
IT	Networking	50/40	50	8	2
HR	Furniture	72/55	72	15	5
Finance	Printers	48/25	48	25	8

Showing 1 to 5 of 35 entries

Asset Management System – Reference

<https://assetsmanager.sysnova.cloud/my-assets>

ASSET	BARCODE	CATEGORY	STATUS	PURCHASE PRICE	ASSIGNED DATE	ACTIONS
HP EliteDesk 800 G8 DESK002	Barcode	Desktops	Assigned	\$699.99	19/01/2026	
LG 27-inch 4K Monitor MON002	Barcode	Monitors	Assigned	\$499.99	19/01/2026	
iPhone 14 Pro MOB001	Barcode	Mobile Devices	Assigned	\$999.99	19/01/2026	

[Profile](#) [Logout](#)

<https://hrmifly.codeifly.in/admin/self/dashboard>

Welcome Back!

Concise summary of your financial activities provided for clarity.

Overview

Category	Value
Real Assets	\$1,500,000
Intangible Assets	\$750,000
Financial Assets	\$2,000,000
Current Assets	\$500,000

Total Assets

\$920,386.10 ↑19% than last month

Assets By Locations

<https://rise.thesketchcode.com/leads>

