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Proposal for IVPMS ERP System & Advanced Digital Management Solutions

Executive Summary

SDTN IT SOLUTIONS (P) LTD. is pleased to present this proposal for the implementation and expansion of the **IVPMS (Inventory and Vendor Payment Management System)** ERP platform, designed specifically for universities, educational institutions, medical institutions, and large organizations.

Our ERP solution is a centralized, web-based digital management system that streamlines departmental operations, inventory management, procurement, vendor payments, accounts handling, asset management, maintenance operations, insurance management, hostel operations, and various institutional workflows.

The proposed ERP ecosystem is designed to:

- Digitize and automate institutional operations
- Improve transparency and accountability
- Eliminate manual errors and paperwork
- Enhance interdepartmental coordination
- Provide real-time reporting and analytics
- Ensure centralized monitoring and control
- Support scalable multi-campus operations

With our practical implementation experience across educational institutions and government organizations, we are confident in delivering a reliable, secure, and scalable ERP ecosystem.

About SDTN IT SOLUTIONS

SDTN IT SOLUTIONS (P) LTD. specializes in ERP development, enterprise automation, inventory management, financial workflow automation, vendor payment systems, maintenance systems, and institutional digital transformation.

Our team combines technical expertise with practical operational understanding to deliver solutions that improve efficiency, reduce operational costs, and enhance administrative transparency.

We focus on:

- Client-centric software development
- Secure and scalable architecture

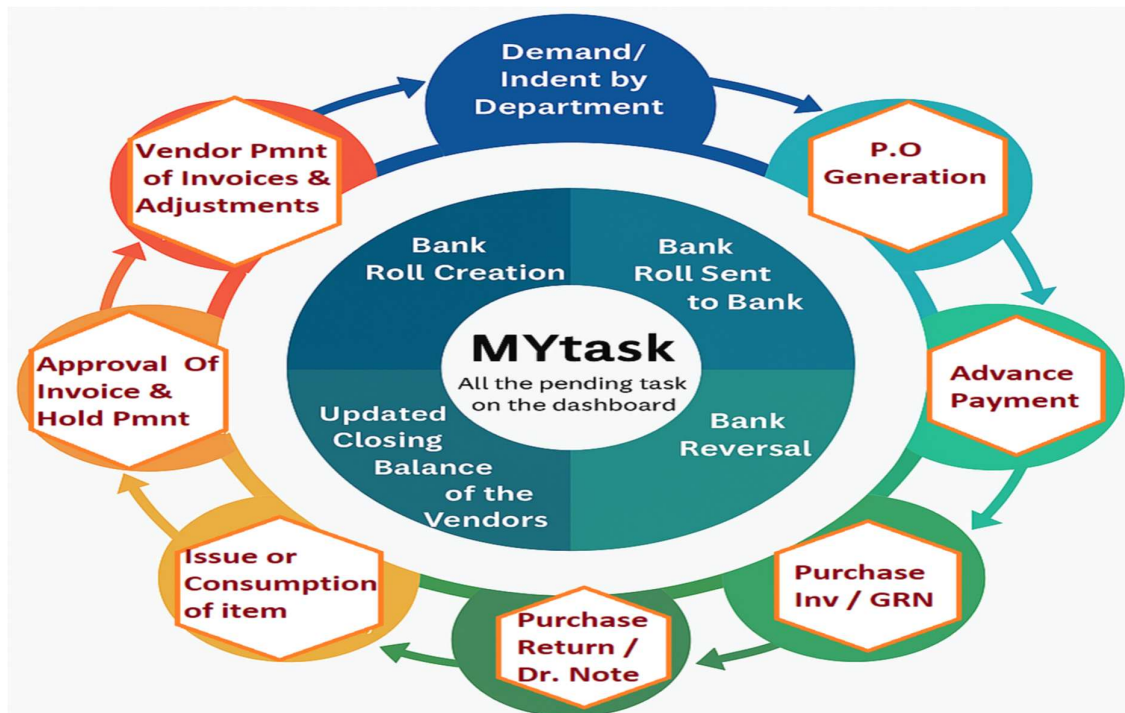
- Practical workflow automation
- Real-time data management
- Seamless ERP integrations
- Long-term technical support

Introduction to IVPMS ERP System

The **IVPMS (Inventory and Vendor Payment Management System)** is a comprehensive online ERP platform developed for efficient management of:

- Departments
- Stores and inventory
- Procurement processes
- Vendor accounts and payments
- Financial workflows
- Asset lifecycle management
- Maintenance operations
- Institutional administration

The ERP automates manual operations, improves data accuracy, ensures approval-based workflows, and enables informed decision-making through centralized reporting.



Core Benefits of IVPMS ERP System

1. Maker – Checker – Approver Workflow

A structured hierarchical approval mechanism ensures accountability, authorization control, and error reduction.

2. Paperless Operations

The system enables fully digital workflows to reduce paperwork, operational delays, and administrative expenses.

3. Error Prevention & Fraud Control

Interlinked operational workflows minimize human errors, duplicate processing, theft, and unauthorized transactions.

4. Complete Lifecycle Management

The system manages the entire lifecycle of assets and inventory:

- Demand / Indent
- Procurement
- Goods Receipt
- Usage / Consumption
- Maintenance
- Disposal / Scrapping
- Vendor Payment Settlement

5. Real-Time Stock Availability

Departments can verify stock availability across stores while generating demands and indents.

6. Purchase Order & Demand Linkage

Purchase orders are directly linked with approved departmental demands for better procurement tracking.

7. Vendor Rate Comparison

Users can compare rates from multiple vendors during purchase processing.

8. Invoice & PO Validation

The system identifies differences between PO quantities/rates and invoice quantities/rates.

9. Invoice Tracking System

End-to-end invoice movement and status tracking improves financial monitoring.

10. Automated Vendor Payment Adjustment

Vendor payments are automatically adjusted against advances, debit notes, returns, and pending balances.

11. Comprehensive Vendor & Item Analysis

Centralized visibility of vendor pricing and item procurement history supports cost optimization.

12. Multiple Division & Campus Management

The ERP supports centralized management of multiple campuses, divisions, departments, and stores.

Purchase Invoice / GRN Management

The ERP supports multiple invoice and GRN scenarios within a single platform:

Without GRN

Supports purchase invoices for accounting and expense adjustments without stock entries.

Free-of-Cost GRN

Allows processing of free-of-cost material receipts.

GRN With or Without Purchase Orders

Supports invoices linked or not linked with purchase orders.

Service Invoices With or Without TDS

Supports service invoices including TDS deduction workflows.

IVPMS ERP Modules

1. Department Module

Features

- Create Demand / Purchase Requisition
- Create Indent
- Consumption / Utilization Entry
- Store Return Warrant (SRW)
- Store Requisition (SR)
- Departmental Reporting
- Budget Monitoring
- Approval Workflow Management

Benefits

- Faster demand processing
 - Better inventory visibility
 - Controlled departmental procurement
 - Improved utilization tracking
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2. Purchase Department Module

Features

- Purchase Order (PO) Generation
- Vendor Selection & Comparison
- Advance Payment Management
- Quotation Management
- Comparative Statement Generation
- Procurement Reporting

Benefits

- Streamlined procurement workflow
 - Transparent vendor selection
 - Reduced procurement delays
 - Better cost control
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3. Store Department Module

Features

- Purchase Invoice Processing
- Online Invoice Submission
- Purchase Return Management
- Debit Note Management
- Gate Pass Management
- Issue Note Processing
- Stock Management
- Hold Payment Facility
- Store Reporting & Audit

Benefits

- Better stock control
 - Reduced inventory leakage
 - Centralized store monitoring
 - Improved audit readiness
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4. Accounts Department Module

Features

- Invoice Auditing
- Vendor Payment Processing
- Bank Roll Generation
- Bank Roll Submission
- Bank Reversal Entry
- Advance Payment Adjustments
- Financial Approval Workflow
- Automated Payment Tracking

Benefits

- Faster financial processing
 - Accurate vendor settlements
 - Improved financial transparency
 - Automated reconciliation
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Advanced ERP Expansion Modules (ERP Version 2.0)

To further strengthen institutional digital infrastructure, SDTN IT SOLUTIONS proposes the following advanced integrated modules.

1. eVFMS – Vehicle & Fuel Management System

Features

- Vehicle lifecycle management
- Fuel consumption tracking
- Service scheduling
- Vehicle repair tracking
- Insurance & compliance monitoring
- Driver assignment management

Benefits

- Reduced fuel misuse
 - Better fleet utilization
 - Improved maintenance planning
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2. eFARM – Fixed Asset Register Management

Features

- Asset registration and tagging
- Asset movement tracking
- Asset allocation management
- Depreciation calculation
- Asset audit management
- Disposal and scrapping management

Benefits

- Improved asset accountability
 - Accurate fixed asset records
 - Better compliance and auditing
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3. eACMS – AMC & CMC Management System

Features

- Annual Maintenance Contract tracking
- Comprehensive Maintenance Contract management
- Vendor-wise maintenance history
- Renewal alerts and reminders
- Contract expiry monitoring
- Service visit tracking

Benefits

- Preventive maintenance management
 - Reduced equipment downtime
 - Better vendor performance tracking
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4. eRMS – Repair & Maintenance System

Features

- Complaint and service request management
- Maintenance scheduling
- Breakdown tracking
- Technician assignment
- Repair history management

- Spare consumption tracking

Benefits

- Faster maintenance response
 - Improved equipment availability
 - Centralized maintenance monitoring
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5. eIMS – Insurance Management System

Features

- Insurance policy repository
- Renewal management
- Claim tracking
- Asset-wise insurance records
- Expiry alerts
- Vendor/insurer management

Benefits

- Timely policy renewals
 - Reduced compliance risk
 - Better insurance monitoring
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6. eHMS – Hostel Management System

Features

- Room allocation management
- Student hostel records
- Hostel fee management
- Complaint management
- Visitor management
- Occupancy tracking

Benefits

- Simplified hostel administration
 - Better student accommodation management
 - Real-time hostel analytics
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7. eICMS – Imprest Control Management System

Features

- Imprest request processing
- Petty cash tracking
- Fund utilization monitoring
- Adjustment and reimbursement management
- Approval workflows

Benefits

- Transparent petty cash handling
 - Faster reimbursements
 - Better financial control
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8. eSAMS – Stock Audit Management System

Features

- Department-wise stock audit
- Auditor remarks and verification
- Stock discrepancy management
- Audit reporting
- Adjustment workflows

Benefits

- Accurate stock verification
 - Improved accountability
 - Better audit compliance
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9. eDMS – Document Management System

Features

- Centralized document repository
- Digital document indexing
- Searchable document storage
- Role-based access control
- Approval workflows
- Version control management

Benefits

- Secure document handling
 - Faster document retrieval
 - Reduced physical document dependency
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10. e-Waste & Scrap Management System**Features**

- Scrap inventory tracking
- E-waste disposal management
- Vendor management
- Disposal approvals
- Sustainability reporting

Benefits

- Environmentally compliant disposal
 - Better scrap monitoring
 - Improved transparency
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11. e-Procurement Module**Features**

- Vendor onboarding
- Online quotation management
- Comparative statement generation
- Purchase approvals
- Digital procurement workflow
- Vendor performance tracking

Benefits

- Faster procurement cycle
 - Transparent purchasing
 - Better vendor management
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Additional Products & Integrated Solutions

AMC & CMC Management

Comprehensive management of annual and comprehensive maintenance contracts for institutional equipment, machinery, laboratory devices, IT infrastructure, and utility systems.

Insurance Management

Centralized management of all institutional insurance records, renewals, policies, and claim tracking.

Repair & Maintenance Management

A complete digital workflow for complaint registration, service allocation, maintenance tracking, and preventive maintenance planning.

FAR (Fixed Asset Register)

A centralized Fixed Asset Register system with depreciation, tagging, movement tracking, and audit management.

Tally-Busy Compatible Integration

The ERP can integrate with Tally-Busy for synchronized accounting entries, ledger management, payment reconciliation, and financial reporting.

Multi-Location ERP Management

Centralized ERP support for multiple campuses, institutions, stores, and departments under a single platform.

Custom Workflow Automation

Institution-specific workflows, approval hierarchies, reports, and dashboards can be customized as per organizational requirements.

MIS & Dashboard Reporting

Advanced Management Information System (MIS) reports and analytical dashboards for real-time monitoring and decision-making.

Role-Based Access Control

Secure user-wise and department-wise permissions for enhanced operational security.

Mobile & Web Accessibility

Accessible through secure web-based architecture with mobile-compatible interfaces.

Seamless ERP Integration

All proposed modules and solutions are fully integrated within the IVPMS ERP ecosystem to ensure:

- Unified institutional data management
- Single-window operations
- Real-time interdepartmental coordination
- Centralized reporting and analytics

- Scalability for future expansion
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Key Advantages for Universities & Educational Institutions

- End-to-end digital transformation
 - Elimination of manual dependency
 - Enhanced transparency and accountability
 - Faster approvals and processing
 - Improved inventory and financial control
 - Real-time operational visibility
 - Reduced operational costs
 - Better compliance and audit readiness
 - Improved vendor and asset management
 - Centralized institutional monitoring
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Technical Highlights

- Web-Based ERP Platform
 - Secure Role-Based Login System
 - Centralized Database Architecture
 - Real-Time Dashboard & Reports
 - Scalable Multi-User Environment
 - Audit Trail & Activity Logs
 - Cloud / On-Premise Deployment Support
 - Data Backup & Recovery Support
 - API-Based Integration Support
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Our Clients

We are proud to have successfully implemented ERP solutions and modules for reputed educational institutions and government organizations.

1. MM University, Mullana
 2. MM Institute of Medical Science and Research, Sadopur
 3. MM Institute of Medical Science and Research, Solan
 4. Haryana Vidyut Prasaran Nigam Ltd. (HVPNL)
 5. Haryana International Horticulture Marketing Corporation Ltd. (HIHMCL)
 6. Haryana Police Housing Corporation (HPHC)
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Why Choose SDTN IT SOLUTIONS

- Practical ERP implementation expertise
 - Deep understanding of institutional workflows
 - Scalable and customizable ERP solutions
 - Reliable technical support
 - Cost-effective implementation approach
 - Long-term partnership commitment
 - Proven implementation success
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Conclusion


SDTN IT SOLUTIONS (P) LTD. is committed to helping universities and institutions build a modern, efficient, transparent, and digitally empowered operational ecosystem.


Our IVPMS ERP platform, combined with advanced integrated modules and customized solutions, provides a complete enterprise management framework capable of supporting institutional growth, operational excellence, and future scalability.

We look forward to the opportunity to collaborate with your esteemed organization and contribute to your digital transformation journey.

Contact Information

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