

Student name - Shoaib Amjad (2423005)

Lecturers name – Chinomso Nwagboso

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Proposal for Improving Business Performance at Maldiva Ltd. Through Modern Information Systems

Part 1: Introduction and Evaluation of Existing Systems

1. Introduction

1.1 Background

Information systems have become a fundamental component of modern business operations, enabling organisations to manage data efficiently, automate routine tasks, improve customer experiences, and support strategic decision-making. In today's highly competitive retail industry, businesses are expected to provide customers with accurate product availability, fast order processing, personalised services, and secure handling of personal information. As organisations expand across multiple sales channels, including physical stores and e-commerce platforms, the need for integrated information systems becomes increasingly important.

Maldiva Ltd. is a fictional consumer electronics retailer that has experienced rapid growth over the past year. The company currently operates 30 physical retail stores alongside a successful online shopping platform. Although sales performance has improved significantly, this expansion has exposed weaknesses within the organisation's existing information systems. Many of the systems currently in use are outdated, fragmented, and heavily dependent on manual processes. Consequently,

employees spend considerable time transferring information between departments, correcting errors, and resolving customer complaints that could otherwise be prevented through automation and system integration.

The company's current operational challenges affect several critical business functions, including inventory management, customer relationship management (CRM), reporting, data security, and communication between departments. These issues have resulted in stock discrepancies, inefficient customer service, inaccurate reporting, compliance risks, and reduced organisational productivity. If these problems remain unresolved, they may limit the company's future growth, reduce profitability, and damage its reputation within the highly competitive consumer electronics market.

Modern organisations increasingly rely on integrated Enterprise Resource Planning (ERP) systems, Customer Relationship Management (CRM) software, and Business Intelligence (BI) tools to improve operational performance. These technologies centralise business information into a single platform, enabling departments to share accurate, real-time data and support faster, evidence-based decision-making (Laudon and Laudon, 2022). Furthermore, cloud-based information systems offer greater flexibility, lower infrastructure costs, and improved scalability, making them particularly suitable for growing retail organisations.

1.2 Aim of the Proposal

The primary aim of this proposal is to evaluate the weaknesses within Maldiva Ltd.'s current information systems and recommend a modern integrated solution that supports the organisation's long-term business objectives. The proposal analyses the company's existing operational challenges, identifies gaps in its current systems, and recommends implementing a cloud-based Enterprise Resource Planning (ERP) system integrated with Customer Relationship Management (CRM) and Business Intelligence (BI) capabilities.

The report also explains how the proposed system would improve inventory management, enhance customer service, strengthen data security, support GDPR

compliance, improve communication between departments, and provide management with accurate real-time information for strategic decision-making. Finally, the proposal outlines a practical implementation plan that considers employee training, system integration, change management, and potential implementation risks.

By adopting an integrated information system, Maldiva Ltd. will be better positioned to improve operational efficiency, increase customer satisfaction, reduce unnecessary costs, and support future business expansion.

2. Evaluation of Existing Information Systems

2.1 Overview of the Current Information Systems

The information systems currently used by Maldiva Ltd. have developed independently over time rather than being designed as part of a single integrated business solution. As the company expanded its retail operations and introduced online sales, different departments adopted separate software applications to meet their individual requirements. While these systems may have been adequate when the organisation was smaller, they are no longer capable of supporting a rapidly growing multi-channel retail business.

At present, inventory records are updated manually, customer information is distributed across multiple databases, financial reporting relies heavily on spreadsheets, and departments use different software applications that cannot communicate automatically. As a result, employees must manually transfer information between systems, increasing both workload and the likelihood of human error.

One of the major weaknesses of this fragmented approach is the lack of a central database. Instead of sharing a single source of business information, each department maintains its own records. Consequently, different departments often work with inconsistent or outdated information, resulting in duplicated effort and slower business processes.

From an information systems perspective, Maldiva Ltd. currently operates a collection of isolated transaction processing systems rather than an integrated enterprise information system. According to Stair and Reynolds (2021), organisations that fail to integrate business systems often experience reduced operational efficiency, inconsistent data quality, and poor organisational coordination.

2.2 Inventory Management Challenges

Inventory management represents one of the most significant operational weaknesses within Maldiva Ltd. The company currently relies on manual stock updates, which create delays between physical stock movements and the information recorded within the inventory system. Consequently, stock records frequently become inaccurate, particularly when products are sold simultaneously through physical stores and the company's e-commerce platform.

For example, a customer may purchase a laptop online that appears to be available in stock. However, before the online order is processed, the final unit may have already been sold in one of the physical stores. Because inventory updates are not synchronised in real time, the online system continues to display the product as available. This results in cancelled orders, disappointed customers, refund requests, and additional administrative work for employees.

Poor inventory visibility also makes it hard for store managers to monitor stock levels effectively. Some stores accumulate excessive quantities of slow-moving products, increasing storage costs and tying up working capital. Meanwhile, other stores experience shortages of high-demand products, leading to missed sales opportunities and dissatisfied customers.

The financial consequences of poor inventory management extend beyond customer dissatisfaction. Overstocking increases warehousing expenses and the risk of product obsolescence, particularly within the consumer electronics industry, where products

rapidly become outdated. Conversely, understocking results in lost revenue and reduced customer loyalty as consumers may purchase from competitors instead.

Chopra (2019) argues that effective inventory management relies on accurate, real-time information across the entire supply chain. Businesses that utilise integrated inventory management systems can improve stock accuracy, optimise replenishment decisions, and reduce operational costs while maintaining elevated levels of customer satisfaction.

2.3 Customer Relationship Management (CRM) Issues

Another significant weakness within Maldiva Ltd. is the ineffective management of customer information. Customer data is currently stored across several disconnected systems, preventing employees from obtaining a complete view of each customer's relationship with the organisation.

For example, information relating to online purchases, in-store transactions, customer complaints, loyalty schemes, and marketing subscriptions may all exist in separate databases. Consequently, customer service representatives often struggle to retrieve accurate purchase histories when responding to complaints or processing warranty claims. This increases response times and negatively affects customer satisfaction.

The fragmented nature of customer data also limits the effectiveness of the company's marketing activities. Because customer purchasing behaviour cannot be analysed effectively, the marketing department is unable to develop personalised promotional campaigns or recommend products based on previous purchases. Instead, marketing communications remain generic, reducing their effectiveness and limiting opportunities to increase customer loyalty and repeat purchases.

Modern CRM systems are specifically designed to address these challenges by creating a centralised repository of customer information. A well-implemented CRM system enables organisations to record every customer interaction, analyse purchasing patterns, personalise communications, and improve customer service. According to

Buttle and Maklan (2019), organisations that effectively utilise CRM systems often achieve higher customer retention rates, increased sales revenue, and stronger long-term customer relationships.

For Maldiva Ltd., improving customer relationship management would not only enhance customer satisfaction but also provide valuable insights into customer behaviour, enabling the organisation to make more informed marketing and sales decisions.

2. Evaluation of Existing Information Systems (Continued)

2.4 Reporting and Decision-Making Challenges

Effective decision-making depends on the availability of accurate, timely, and relevant information. At Maldiva Ltd., however, management relies heavily on manually prepared spreadsheets to compile sales reports and monitor business performance. This traditional approach is time-consuming and increases the likelihood of errors, making it difficult for managers to respond quickly to changing market conditions.

Currently, employees collect sales data from multiple stores and the e-commerce platform before manually entering the information into spreadsheets. This process requires considerable administrative effort and often results in inconsistencies caused by duplicate entries, missing data, or calculation errors. Furthermore, by the time reports are completed, the information may already be outdated, reducing its usefulness for strategic planning.

The absence of real-time reporting creates several operational challenges. Senior managers cannot easily monitor daily sales performance, compare the profitability of individual stores, or identify emerging consumer trends. As a result, important business decisions—such as adjusting inventory levels, launching promotional campaigns, or introducing new product lines—are often based on historical information rather than current market conditions.

Poor reporting also affects financial planning and forecasting. Without accurate data, management may overestimate future demand, leading to excessive purchasing and

increased storage costs. Alternatively, demand may be underestimated, resulting in stock shortages and missed sales opportunities. These forecasting inaccuracies directly affect profitability and customer satisfaction.

Modern organisations increasingly rely on Business Intelligence (BI) systems to transform large volumes of business data into meaningful insights. BI software automatically collects information from multiple business functions and presents it through interactive dashboards, charts, and performance indicators. According to Sharda, Delen and Turban (2020), Business Intelligence enables organisations to identify trends, monitor key performance indicators (KPIs), and make evidence-based decisions more effectively than traditional reporting methods.

For Maldiva Ltd., the lack of automated reporting significantly limits management's ability to make informed strategic decisions and respond quickly to changes in customer demand.

2.5 Data Security and GDPR Compliance

As Maldiva Ltd. stores personal information relating to customers, suppliers, and employees, maintaining strong data security is both a legal requirement and a business necessity. The business case highlights that the organisation's current information systems do not provide adequate security controls, increasing the risk of unauthorised access and potential breaches of sensitive information.

One of the most significant concerns is the absence of robust access controls. Employees may have access to information beyond what is necessary for their job roles, increasing the possibility of accidental or intentional misuse of customer data. In addition, disconnected systems make it difficult for the organisation to monitor who has accessed sensitive information and whether appropriate security procedures have been followed.

These weaknesses place the company at risk of failing to comply with the General Data Protection Regulation (GDPR), which requires organisations to process personal data lawfully, securely, and transparently. GDPR also requires organisations to implement appropriate technical and organisational measures to protect personal information from loss, unauthorised disclosure, or cyberattacks (European Union, 2016).

Failure to comply with GDPR could have serious consequences for Maldiva Ltd. Financial penalties can be substantial, while data breaches may significantly damage the company's reputation and reduce customer confidence. In today's digital economy, consumers expect organisations to protect their personal information and handle it responsibly. Any failure to meet these expectations could encourage customers to purchase from competitors that demonstrate stronger data protection practices.

Cybersecurity threats are also becoming increasingly sophisticated. Retail organisations are frequent targets for phishing attacks, ransomware, malware, and identity theft because they process large volumes of payment and customer information. Without modern security technologies such as multi-factor authentication, encryption, automated backups, and continuous security monitoring, Maldiva Ltd. remains vulnerable to cyber incidents that could disrupt business operations.

Consequently, strengthening data security should be regarded as a strategic priority rather than simply a legal obligation.

2.6 Lack of Integration Across Departments

Another significant weakness within Maldiva Ltd. is the limited integration between departments. Sales, finance, inventory management, customer service, and purchasing each operate separate software applications that cannot exchange information automatically. This fragmented environment creates numerous operational inefficiencies that affect the organisation's overall performance.

When information is entered into one department's system, employees in other departments often need to manually re-enter the same data into their own software. For example, once an online order is received, staff may manually update inventory records, notify the warehouse, generate financial records, and communicate with customer service teams. Each additional manual process increases the likelihood of errors, duplicated work, and processing delays.

The absence of integration also reduces organisational visibility. Managers cannot easily obtain a complete overview of business performance because operational data is dispersed across multiple systems. Instead of accessing a single source of reliable information, decision-makers must combine reports from different departments, making strategic planning more complicated and time-consuming.

Poor departmental communication further reduces efficiency. Finance teams may not receive immediate information regarding completed sales, inventory staff may remain unaware of new customer orders, and customer service representatives may lack access to current stock availability. These communication gaps create unnecessary delays and reduce the organisation's ability to respond quickly to customer enquiries.

According to Laudon and Laudon (2022), integrated information systems enable organisations to improve collaboration by allowing departments to share real-time information through a centralised database. This integration reduces duplication, improves data accuracy, and supports more efficient business processes.

As Maldiva Ltd. continues to expand its retail operations, the limitations of disconnected systems are likely to become even more significant. Without integration, the organisation will struggle to scale its operations efficiently while maintaining high standards of customer service.

2.7 Summary of Current System Limitations

The evaluation of Maldiva Ltd.'s existing information systems demonstrates that the organisation's operational challenges stem from outdated technology, manual processes, and fragmented business applications. Although individual systems perform basic functions, they fail to operate as a unified enterprise solution capable of supporting a rapidly growing retailer.

The principal weaknesses identified include:

- Inaccurate inventory management resulting in stock discrepancies and delayed order fulfilment.
- Disconnected customer databases that prevent effective customer relationship management and personalised marketing.
- Manual reporting processes that slow decision-making and reduce reporting accuracy.
- Weak cybersecurity measures and inadequate GDPR compliance.
- Poor communication between departments caused by isolated software applications.
- Excessive manual data entry leading to duplicated work, higher labour costs, and increased risk of human error.

Collectively, these issues reduce productivity, increase operational costs, limit customer satisfaction, and restrict the company's ability to compete effectively within the retail sector. To overcome these challenges, Maldiva Ltd. requires a modern information system capable of integrating all core business functions into a single platform.

3. Recommended Solution

3.1 Introduction to the Recommended Information System

To address the operational challenges identified in the previous section, this proposal recommends that Maldiva Ltd. implements a cloud-based Enterprise Resource Planning (ERP) system integrated with Customer Relationship Management (CRM) and Business Intelligence (BI) capabilities.

An Enterprise Resource Planning system is an integrated software solution that manages an organisation's core business processes through a single central database. Rather than operating separate applications for finance, inventory, sales, purchasing, customer service, and reporting, an ERP system enables all departments to access and update the same information in real time.

This integrated approach ensures that information entered once becomes immediately available throughout the organisation. For example, when a customer purchases a product online, the ERP system automatically updates inventory levels, generates financial records, informs warehouse staff to prepare the order, and records the customer's purchase history. This automation significantly reduces manual work while improving data accuracy and operational efficiency.

Several well-established ERP solutions are available for medium-sized retail organisations, including Microsoft Dynamics 365, SAP Business One, Oracle NetSuite, and Odoo. Each of these systems provides integrated modules for inventory management, finance, sales, customer relationship management, procurement, and business analytics. As cloud-based platforms, they also offer the flexibility to support future business expansion without requiring significant investment in physical IT infrastructure.

The recommendation to adopt a cloud-based ERP system is based on several factors. First, it directly addresses the company's need for integrated business processes by replacing isolated software applications with a unified platform. Second, it provides real-

time access to business information, allowing managers to make faster and more informed decisions. Third, cloud-based deployment reduces infrastructure costs, simplifies software maintenance, and ensures that system updates and security improvements are applied automatically by the service provider.

Furthermore, integrating CRM and Business Intelligence functionality within the ERP environment will enable Maldiva Ltd. to improve customer service, strengthen marketing effectiveness, enhance reporting capabilities, and support long-term strategic growth. Rather than solving individual operational problems separately, an integrated ERP solution addresses the underlying issue of fragmented information systems, providing a comprehensive foundation for future digital transformation.

3. Recommended Solution (Continued)

3.2 Improving Inventory Management Through an ERP System

One of the most significant advantages of implementing an Enterprise Resource Planning (ERP) system is its ability to transform inventory management. Maldiva Ltd.'s current manual inventory process frequently results in stock discrepancies, delayed updates, and inaccurate information across its physical stores and e-commerce platform. These issues lead to cancelled customer orders, unnecessary refunds, and inefficient stock control.

A modern ERP system would replace manual inventory updates with a real-time inventory management module. Every time a product is sold in a physical store or purchased online, the system would automatically update stock levels across all sales channels. This ensures that employees and customers always have access to accurate product availability information.

For example, if a customer purchases the last available smartphone from one of Maldiva Ltd.'s physical stores, the ERP system would immediately reduce the inventory level across all connected systems. The product would no longer appear as available on the company's website, preventing customers from placing orders for items that are out

of stock. This automation significantly reduces customer dissatisfaction while improving confidence in the company's online services.

The ERP system would also improve stock replenishment by monitoring inventory levels continuously. When stock reaches a predefined minimum level, the system can automatically notify purchasing staff or generate purchase orders for suppliers. This helps maintain optimal inventory levels and reduces the risk of stock shortages.

In addition, the ERP system enables managers to monitor inventory performance using key indicators such as inventory turnover, stock ageing, and demand trends. These insights support more effective purchasing decisions and reduce unnecessary storage costs associated with excess inventory.

According to Chopra (2019), organisations that integrate inventory management with sales and supply chain processes improve inventory accuracy, reduce operating costs, and enhance customer satisfaction. For Maldiva Ltd., implementing an ERP inventory module would therefore improve both operational efficiency and financial performance.

3.3 Enhancing Customer Relationship Management (CRM)

Customer satisfaction is essential for achieving long-term success in the highly competitive consumer electronics market. Maldiva Ltd.'s current customer relationship management processes are limited because customer information is stored across several disconnected databases. This prevents employees from developing a complete understanding of customer needs and purchasing behaviour.

The proposed ERP system should include an integrated Customer Relationship Management (CRM) module to centralise all customer information within a single database. This would create a comprehensive customer profile containing purchase history, communication records, warranty information, customer enquiries, and previous complaints.

Having access to complete customer information enables customer service representatives to respond more efficiently to enquiries. For instance, if a customer contacts the support team regarding a faulty product, staff can immediately view the purchase date, payment details, warranty status, and previous interactions without searching multiple systems. This reduces response times and improves the overall customer experience.

The CRM system would also strengthen the company's marketing activities. By analysing customers purchasing behaviour, the marketing department could create personalised promotional campaigns tailored to individual preferences. Customers who regularly purchase gaming products, for example, could receive targeted promotions for newly released gaming accessories, while customers interested in home entertainment systems could receive offers relating to televisions and sound systems.

Personalised marketing is considerably more effective than generic promotional campaigns because it focuses on products that customers are more likely to purchase. This approach not only increases sales but also strengthens customer loyalty by providing a more personalised shopping experience.

Furthermore, the CRM system could support the introduction of a customer loyalty program, enabling Maldiva Ltd. to reward repeat customers through discounts, exclusive offers, or reward points. Such programs encourage repeat purchases and improve long-term customer retention.

According to Buttle and Maklan (2019), organisations that implement effective CRM strategies develop stronger customer relationships, improve customer retention, and increase profitability through enhanced customer engagement.

3.4 Business Intelligence and Data-Driven Decision-Making

Another major benefit of the proposed solution is the integration of Business Intelligence (BI) tools within the ERP system. Business Intelligence refers to the technologies and

analytical processes used to convert raw organisational data into meaningful information that supports decision-making.

At present, Maldiva Ltd. relies on manually prepared spreadsheets to analyse business performance. This approach is inefficient because reports are often outdated before they reach senior management. In contrast, a Business Intelligence system automatically collects information from all departments and presents it through interactive dashboards that update in real time.

Managers would be able to monitor key performance indicators (KPIs), including:

- Daily and monthly sales performance.
- Best-selling and least-selling products.
- Store performance comparisons.
- Inventory turnover.
- Gross profit margins.
- Customers purchase trends.
- Employee productivity.
- Regional sales performance.

Instead of waiting several days for manually prepared reports, managers could access live dashboards from any location using computers or mobile devices. This enables quicker responses to changing market conditions and supports evidence-based decision-making.

Business Intelligence also improves forecasting accuracy. By analysing historical sales data alongside seasonal purchasing patterns, managers can estimate future demand more accurately. This supports better purchasing decisions and reduces the likelihood of inventory shortages or excess stock.

For example, if previous sales data indicates a significant increase in laptop sales during the back-to-school season, the system can recommend increasing inventory

before demand rises. Such predictive analytics enables the organisation to prepare proactively rather than reacting after stock shortages occur.

According to Sharda, Delen and Turban (2020), organisations that utilise Business Intelligence systems make faster, more informed decisions because they have immediate access to accurate operational data.

3.5 Cloud Computing Advantages

The proposed ERP solution should be deployed as a cloud-based system rather than installed on servers located within Maldiva Ltd.'s premises. Cloud computing offers several important advantages for growing organisations.

Firstly, cloud-based ERP systems require significantly lower initial investment than traditional on-premises software. Rather than purchasing expensive hardware, organisations typically pay a monthly or annual subscription fee based on the number of users or services required. This makes cloud solutions particularly suitable for medium-sized businesses seeking to control capital expenditure.

Secondly, cloud systems provide greater flexibility and accessibility. Employees can securely access business information from different store locations or while working remotely, provided they have an internet connection. This is especially valuable for senior managers who oversee operations across multiple retail outlets.

Another important advantage is automatic software maintenance. Cloud service providers regularly install software updates, security patches, and new features without interrupting business operations. Consequently, Maldiva Ltd.'s internal IT staff can focus on supporting business users rather than maintaining servers and software infrastructure.

Cloud platforms also provide high levels of reliability through automated backups and disaster recovery services. In the event of hardware failure, natural disasters, or

cyberattacks, business information can be restored quickly, minimising operational disruption.

Scalability represents another significant advantage. As Maldiva Ltd. expands by opening additional stores or increasing online sales, the cloud infrastructure can easily accommodate additional users, larger databases, and increased transaction volumes without requiring major hardware upgrades.

Laudon and Laudon (2022) note that cloud computing has become a key component of digital transformation because it provides organisations with greater flexibility, lower infrastructure costs, and improved operational resilience.

3.6 Strengthening Cybersecurity and GDPR Compliance

Protecting customer information should be one of Maldiva Ltd.'s highest priorities. The proposed ERP system would significantly strengthen data security by incorporating advanced cybersecurity features that are absent from the company's existing systems.

One of the most important improvements is role-based access control (RBAC). This ensures that employees can only access the information required to perform their specific job responsibilities. For example, sales assistants would have access to customer orders but not confidential financial records, while finance managers would have access to accounting information without viewing unnecessary customer support records.

The ERP system should also implement multi-factor authentication (MFA), requiring users to verify their identity through multiple authentication methods before accessing sensitive business information. This greatly reduces the risk of unauthorised access, particularly if user passwords are compromised.

Additional security features include:

- End-to-end encryption for sensitive customer data.

- Automatic security updates.
- Continuous system monitoring.
- Audit logs recording all user activities.
- Automated data backups.
- Disaster recovery planning.

These measures improve compliance with the General Data Protection Regulation (GDPR) by ensuring that personal information is processed securely and access to data is appropriately controlled.

Compliance with GDPR is not only a legal requirement but also an important factor in maintaining customer trust. Consumers are increasingly concerned about how organisations collect, store, and use their personal information. Demonstrating strong data protection practices can therefore become a competitive advantage as well as reducing the risk of financial penalties associated with non-compliance.

3.7 Cost-Benefit Analysis and Return on Investment (ROI)

Implementing an ERP system requires substantial financial investment, including software licensing, implementation of services, employee training, data migration, and ongoing support. However, these initial costs should be viewed as a long-term investment rather than simply an operational expense.

The proposed system is expected to generate significant financial and operational benefits, including:

Operational Benefits

- Reduced manual data entry.
- Improved productivity.
- Faster order processing.
- Better communication between departments.

- Reduced administrative workload.

Financial Benefits

- Lower inventory holding costs.
- Fewer cancelled orders and customer refunds.
- Improved demand forecasting.
- Reduced purchasing errors.
- Increased sales through personalised marketing.
- Lower IT maintenance costs through cloud deployment.

Customer Benefits

- Improved product availability.
- Faster customer support.
- More personalised marketing.
- Higher service quality.
- Increased customer satisfaction and loyalty.

Over time, these benefits are likely to outweigh the implementation costs by improving efficiency, reducing waste, and increasing revenue. Furthermore, the scalability of a cloud-based ERP system ensures that additional investment will not be required each time the organisation expands.

3.8 Justification for the Recommended Solution

Several alternative approaches could be considered, such as upgrading individual software applications or continuing to use the existing systems with minor improvements. However, these options would not resolve the fundamental issue of fragmented business information.

Maintaining separate systems would continue to require manual data transfers, duplicate records, and time-consuming reporting processes. Although individual upgrades might temporarily improve specific departments, they would fail to deliver the integrated business environment required to support Maldiva Ltd.'s future growth.

By contrast, implementing a cloud-based ERP system with integrated CRM and Business Intelligence capabilities provides a comprehensive solution that addresses all of the major operational challenges identified within the business case. Rather than treating inventory management, customer service, reporting, and security as separate problems, the ERP system brings these functions together within a single, centralised platform.

This integrated approach supports greater operational efficiency, more accurate information, improved collaboration between departments, enhanced customer satisfaction, stronger regulatory compliance, and better strategic decision-making. Most importantly, it provides a scalable digital foundation capable of supporting Maldiva Ltd.'s continued expansion in an increasingly competitive retail market.

For these reasons, the implementation of a cloud-based ERP system represents the most appropriate and sustainable solution for improving the organisation's overall business performance.

4. Implementation Plan

Implementing an Enterprise Resource Planning (ERP) system is a major organisational project that requires careful planning, effective communication, and strong leadership. Research suggests that many ERP implementation projects fail because organisations underestimate the importance of planning, employee engagement, and change management (Ward and Peppard, 2016). Therefore, Maldiva Ltd. should adopt a phased implementation approach to minimise disruption and maximise the likelihood of success.

4.1 Phase 1: Project Planning and Requirements Analysis

The first stage of the implementation process involves establishing a clear project plan and identifying the organisation's business requirements. A project steering committee should be formed, consisting of senior managers, department representatives, IT specialists, and external ERP consultants. This team will oversee the implementation and ensure that the project aligns with the company's strategic objectives.

During this phase, the organisation should:

- Analyse existing business processes.
- Identify inefficiencies and areas for improvement.
- Define functional and technical requirements.
- Establish project objectives and success criteria.
- Prepare a realistic implementation budget.
- Develop a detailed project timeline.

Involving employees from different departments at an early stage helps ensure that the selected ERP system meets operational needs while encouraging staff to support the project.

4.2 Phase 2: Selecting the ERP System

Once the organisation's requirements have been identified, Maldiva Ltd. should evaluate suitable ERP vendors. The selected solution should provide integrated modules for inventory management, finance, customer relationship management (CRM), purchasing, reporting, and Business Intelligence (BI).

Several cloud-based ERP solutions are appropriate for medium-sized retail organisations, including:

- Microsoft Dynamics 365

- SAP Business One
- Oracle NetSuite
- Odoo

When comparing suppliers, the company should consider factors such as:

- Purchase and subscription costs.
- Ease of use.
- Integration capabilities.
- Security features.
- Vendor support.
- Scalability.
- Customisation options.
- Future software updates.

Selecting the right software at the beginning of the project will reduce future implementation risks and support the organisation's long-term growth.

4.3 Phase 3: System Configuration and Data Migration

After selecting the ERP solution, the system should be configured to reflect Maldiva Ltd.'s operational processes. This includes defining user roles, designing workflows, configuring inventory rules, and creating management reports.

One of the most critical activities during this phase is data migration. Existing data from spreadsheets and legacy systems must be transferred into the new ERP database. The data should include:

- Product information.
- Inventory records.
- Customer details.
- Supplier information.

- Sales history.
- Financial records.

Before migration begins, the company should carry out data cleansing to remove duplicate, incomplete, and inaccurate records. Poor-quality data transferred into the new system could reduce reporting accuracy and affect business performance.

A backup of all existing information should also be created before migration to ensure that valuable business data is not lost.

4.4 Phase 4: System Integration

For the ERP system to deliver maximum value, it must integrate seamlessly with Maldiva Ltd.'s existing technologies. Integration enables information to flow automatically between different business functions without requiring manual intervention.

The ERP system should integrate with:

- The e-commerce website.
- Point-of-sale (POS) systems in all retail stores.
- Payment gateways.
- Barcode scanning systems.
- Warehouse management processes.
- Accounting and financial reporting modules.
- Email and customer communication systems.

Once integration has been completed, information entered into one part of the business will automatically update all related departments. This eliminates duplicate data entry, improves accuracy, and significantly reduces administrative workload.

4.5 Phase 5: Employee Training and Change Management

Technology alone does not guarantee successful business transformation. Employees must understand how to use the new system effectively and recognise the benefits it brings to their daily work.

Resistance to change is one of the most common reasons for ERP implementation failure. Employees who have worked with manual processes for many years may feel uncertain about learning new software or worry that automation could affect their job roles.

To reduce resistance, management should communicate clearly throughout the implementation process. Employees should understand:

- Why is the new system being introduced?
- How will it improve their work?
- What training and support will be available.
- The expected implementation timeline.

Training programs should include:

- Classroom-based learning.
- Practical workshops.
- Hands-on system demonstrations.
- Online training resources.
- User manuals.
- Frequently Asked Questions (FAQs).
- Ongoing technical support after implementation.

Different departments may require specialised training. For example, warehouse staff should receive instruction on inventory management and barcode scanning, while finance employees require training on accounting modules and financial reporting. Managers should also learn how to interpret Business Intelligence dashboards and use analytical reports to support strategic decision-making.

Continuous support after implementation is equally important. Establishing a dedicated helpdesk or appointing "super users" within each department can provide employees with immediate assistance during the transition.

4.6 Phase 6: Pilot Testing

Before implementing the ERP system across all 30 stores, Maldiva Ltd. should conduct a pilot implementation in a small number of locations. A pilot allows the organisation to evaluate system performance under real operating conditions while limiting the impact of any unforeseen issues.

During pilot testing, the project team should assess:

- Inventory accuracy.
- Order processing times.
- System performance.
- Data integrity.
- Reporting accuracy.
- User satisfaction.
- Integration between departments.

Feedback collected from employees during the pilot phase should be used to refine system settings, improve training materials, and resolve technical issues before the organisation-wide rollout.

4.7 Phase 7: Full Implementation and Continuous Evaluation

Following a successful pilot, the ERP system should be deployed across all remaining stores using a phased rollout. Implementing the system gradually reduces operational disruption and allows technical support teams to focus on each location individually.

After implementation, management should continuously evaluate system performance by monitoring Key Performance Indicators (KPIs), including:

- Inventory accuracy.
- Customer satisfaction levels.
- Order fulfilment times.
- Sales growth.
- Customer retention.
- Employee productivity.
- Reporting accuracy.
- Operational costs.

Regular software updates, security reviews, and employee refresher training should also be scheduled to ensure that the ERP system continues to support the organisation's changing business requirements.

Continuous improvement should become part of Maldiva Ltd.'s long-term digital strategy, ensuring that the organisation continues to benefit from technological innovation.

4.8 Potential Implementation Challenges and Risk Mitigation

Although the proposed ERP system offers significant advantages, several challenges may arise during implementation.

Challenge	Potential Impact	Mitigation Strategy
Employee resistance	Low user adoption	Early communication, staff involvement, comprehensive training
High implementation costs	Budget overruns	Careful financial planning and phased implementation

Data migration errors	Poor data quality	Data cleansing, validation, and backup procedures
Temporary disruption to business operations	Reduced productivity	Pilot testing and phased rollout
Cybersecurity risks during migration	Data breaches	Encryption, secure migration tools, and regular security testing
Technical integration issues	Delays in implementation	Use experienced ERP consultants and conduct extensive system testing

By identifying these risks early and developing appropriate mitigation strategies, Maldiva Ltd. can improve the likelihood of a successful implementation.

5. Conclusion

Maldiva Ltd.'s rapid business growth has highlighted significant weaknesses in its current information systems. Manual inventory management, disconnected customer databases, spreadsheet-based reporting, weak cybersecurity controls, and poor integration between departments have reduced operational efficiency and negatively affected customer satisfaction. These challenges also limit management's ability to make timely, data-driven decisions and increase the organisation's exposure to regulatory and cybersecurity risks.

This proposal has demonstrated that implementing a cloud-based Enterprise Resource Planning (ERP) system integrated with Customer Relationship Management (CRM) and Business Intelligence (BI) functionality represents the most effective solution to these problems. The proposed system would centralise business data, automate routine processes, improve inventory accuracy, provide real-time reporting, strengthen GDPR compliance, and enhance communication between departments.

In addition to improving day-to-day operations, the recommended solution supports Maldiva Ltd.'s long-term strategic objectives. The scalability of a cloud-based ERP

platform enables the organisation to expand its retail network and online operations without requiring major changes to its information systems. Furthermore, advanced analytics and reporting capabilities will allow managers to make faster and more informed decisions, improving organisational agility, and competitiveness.

Although ERP implementation requires significant investment, careful planning, employee training, and phased deployment can reduce implementation risks and maximise long-term value. The expected benefits—including lower operating costs, improved productivity, enhanced customer satisfaction, stronger data security, and increased profitability—greatly outweigh the initial costs.

Overall, adopting an integrated ERP solution will enable Maldiva Ltd. to modernise its information systems, improve business performance, and establish a strong digital foundation for sustainable future growth.

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