



Viindoo

SOFTWARE COMPARISON
VIIDOO MRP
& SAGE, SAP, ORACLE



<https://viindoo.com>

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FOREWORD

In the production and business activities of a company, production management plays a crucial role in ensuring the success and development of the business. Production management activities include assessing production capacity, planning material requirements, managing schedules, managing product quality, calculating product costs, and managing the product life cycle.

However, there are many challenges and difficulties in optimizing the operation process of manufacturing companies, such as:

- Firstly, companies lack the tools to synthesize data on important factors in the production process and analyze costs, such as material costs, labor costs, workshop management fees, and equipment depreciation. This makes it difficult for companies to optimize and improve their current production processes to keep up with market trends and increase product competitiveness in terms of pricing.
- Secondly, in terms of controlling production schedules and output at each stage and each production line, companies also face many challenges: Where is the product? When will it be finished? Where should we stop selling finished products to control the appropriate volume?

Moreover, in the production process, companies also need to manage not only various types of personnel, such as direct production workers, workshop management officials, office staffs but also the overtime for different production shifts.

In order to solve these problems, manufacturing companies often apply an Enterprise Resource Planning system (ERP) as an important support tool. With the ability to integrate and manage production activities, provide timely and accurate information, the ERP system helps businesses optimize production and improve their business efficiency.

Among the numerous comprehensive management solutions on the market today, the question of which software is truly suitable for their business reality is still a big question for managers when applying digital transformation. To help managers have a comprehensive objective view, Viindoo has compiled a comparison document of four commonly-used ERP softwares that provide the production management features, including SAP S/4HANA, Oracle ERP Cloud, Sage 100, and Viindoo MRP. In this article, we will compare these four solutions in terms of user interface, features, pricing, and their terms and conditions.

INTRODUCTION ABOUT THE SYSTEMS

History

SAP

(System Application Programing)

SAP Corporation (German: SAP Aktiengesellschaft, commonly abbreviated as SAP AG) is one of the leading companies in the field of enterprise management software.

The company was founded in 1972 in Mannheim, Germany by 5 founders namely Dietmar Hopp, Hasso Plattner, Claus Wellenreuther, Klaus Tschira, and Andreas Oestreich.

SAP's solutions and services help hundreds of thousands of customers worldwide operate financially, continuously adapt, and develop sustainably. Currently, SAP has more than 110,000 employees and sales offices in over 160 countries. So far, SAP has launched many products that provide solutions to meet the business needs of many enterprises such as SAP S4 HANA, SAP Business One, SAP SuccessFactors, SAP Ariba, SAP Concur, SAP Hybris, etc.

Sage

Sage Group is a multinational company specializing in providing enterprise software solutions. The company was founded in 1981 by David Goldman, Paul Muller, and Graham Wylie in Newcastle upon Tyne, United Kingdom. Currently, Sage has a large network of experts with over 40,000 accountants and 26,000 business partners providing industry knowledge as well as technical support. Therefore, the features of Sage are always ensured for accuracy and best possible business problem-solving. Sage ERP packages include Sage X3, Sage 100 ERP, Sage 300 ERP, and Sage 500 ERP.

Among them, Sage 100 ERP is specifically designed for small and medium-sized enterprises, suitable for new work practices and allowing more flexibility than other packages. Sage 100 Enterprise i7 provides different modules in main categories such as Sales Management, CRM, Production, Accounting & Finance.

Oracle

Oracle Corporation is one of the world's leading technology companies, founded in 1977 by Larry Ellison, Bob Miner, and Ed Oates.

Initially, Oracle focused on developing and providing relational database solutions (RDBMS) for enterprises. However, Oracle has expanded its market and products into other areas such as enterprise management software (ERP), financial management (FMS), supply chain management (SCM), customer management (CRM), and many other fields.

Viindoo

Viindoo Technology Joint Stock Company was established in 2019 and introduced the Viindoo Enterprise Management Software with solutions that meet the needs of several businesses in the digital transformation era, such as integrated production management, human resource management, supply chain management, etc.

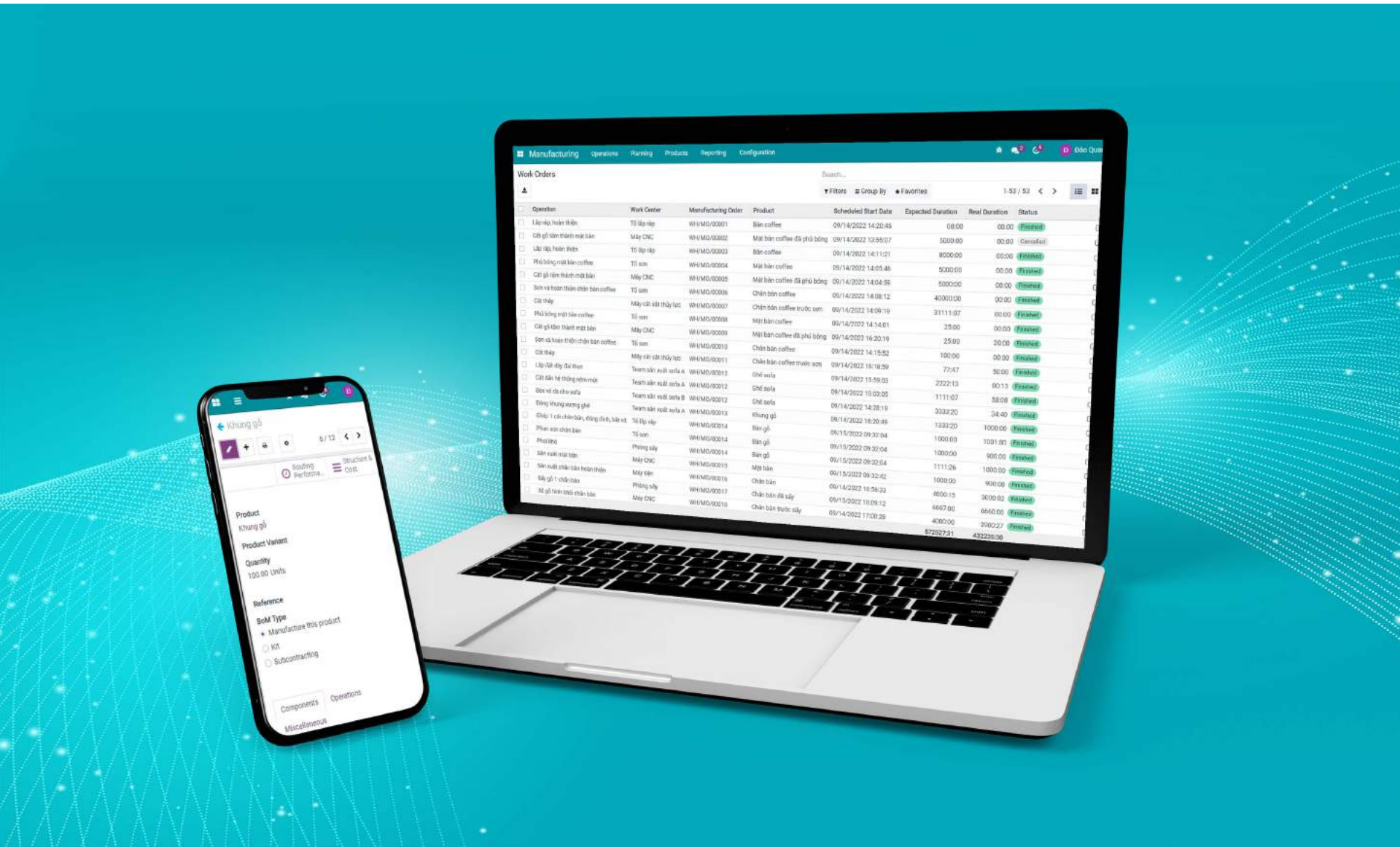
Viindoo's online enterprise management software solution was started by David Tran, the current CEO of the company, who began researching on the OpenERP platform in 2010. Viindoo's predecessor, ERPOnline solution, was launched in 2013 and provided enterprise management solutions in the form of cloud computing in the Vietnamese market.



Systems overview

| SAP S/4HANA | Oracle ERP Cloud | Sage 100 | Viindoo |
|---|---|---|--|
| Number of applications/ modules | | | |
| 15+ modules | 10+ modules | 34+ modules | 78 applications |
| Number of users/ customers | | | |
| 400,000+ companies | 430,000+ customers | 100,000+ client organizations | 3000+ users |
| Number of partners/ resellers | | | |
| 22,000+ | 20,000+ | 3,500+ | <10 |
| Supporting platform/ operating system | | | |
| <ul style="list-style-type: none">• Microsoft Windows• Linux• Mac OS• Android• iOS• Unix | <ul style="list-style-type: none">• Microsoft Windows• Linux• Mac OS• Android• iOS• Unix | <ul style="list-style-type: none">• Microsoft Windows• Android• iOS | <ul style="list-style-type: none">• Microsoft Windows• Linux• Mac OS• Android• iOS |

COMPARISON OF SOFTWARE FEATURES



User interface

The design of the user interface for ERP software is a critical factor in ensuring the effectiveness and success of the system. A friendly and easy-to-use interface will help users search for and access information more easily. It also helps users perform tasks quickly and accurately, reducing time and costs for businesses.

You can view screenshots of the four software products SAP S4 HANA, Sage 100, Oracle ERP Cloud, and Viindoo MRP below to compare the layout of each interface.

Order Functions Edit Goto Header Environment System Help

Production order Create: Header

Material 2000000005 ABED ICING SUGAR, 25 KG Type YBM1 Plant 6001

Status

General Assignment Goods Receipt Control Dates/Qties Master Data Long Text Administration

Quantities

| | | | | | |
|-----------|----|----|-----------------|------|---|
| Total Qty | 18 | PC | Scrap Portion | 0.00 | % |
| Delivered | 0 | | Short/Exc. Rcpt | 0 | |

Dates/Times

Display screen **SAP S/4HANA**

Project Setup - Enter Work Orders

Order Number 20001

Description Replace Seat Post

General Dates/Assignments Classification

| | | | |
|------------------|------------------------|---------------|-------------------------------|
| Status Comment | | Parent Number | |
| Search X-Ref | | Charge to BU | M30 Eastern Manufacturing Cer |
| W.O. Status | E1 ECO Entered | Cost Code | |
| Type | . | Est. Hours | 21.00 |
| Priority | 3 Normal | Est. Amount | |
| Std. Description | | Tax Expl Code | . |
| Flash Message | 2 Operation Scheduling | Tax Rate/Area | |
| Subledger Inact | Active Subledger | | |

Display screen **Oracle ERP Cloud**

MRP Inquiry

Item Number: BOARD-04230-16 Description: 80486DX2 MOTHERBOARD 50MHZ

| | | | | | |
|-----------|------|--------------|---------|---------------|------|
| U/M | EACH | On Hand | 154.00 | Whse Group | ALL |
| Vendor | MAKE | On Hand + PO | 154.00 | Reorder Point | 0.00 |
| Lead Time | 0001 | Last Cost | 549.900 | Reorder Qty | 0.00 |

| Type | PO/SO/ WO No. | Where Used | Req Date | Demand | Supply | Proj. On Hand |
|------|------------------|----------------|----------|--------|--------|---------------|
| RW | 0095015 | DSKTP-00200 | 05/17/03 | 20.00 | | 149.00 |
| SO | 0000008 | | 05/31/03 | 1.00 | | 148.00 |
| RW | 0095016 | DSKTP-00200 | 06/01/03 | 2.00 | | 148.00 |
| PW | 0095017 | DSKTP-00300 | 06/05/03 | 5.00 | | 143.00 |
| FP | 0095019 | | 06/13/03 | | 5.00 | 148.00 |
| PW | 0095018 | CABIN-01000-IH | 06/13/03 | 2.00 | | 146.00 |
| IN | | | 04/03/12 | | 0.00 | 146.00 |

Display screen Sage 100

Manufacturing Operations Planning Products Reporting Configuration

Work Orders Search...

1-53 / 53

| Operation | Work Center | Manufacturing Ord... | Product | Scheduled Start D... | Expected Duration... | Real Duration | Status |
|-----------------------|----------------------|----------------------|--------------------|----------------------|----------------------|---------------|-------------------------|
| Phun sơn chân bàn | Tổ sơn | WH/MO/00026 | Bàn gỗ | 09/15/2022 11:50:... | 500:00 | 500:00 | Finished |
| Phơi khô | Phòng sấy | WH/MO/00026 | Bàn gỗ | 09/15/2022 11:50:... | 1111:26 | 1000:00 | Finished |
| Sản xuất mặt bàn | Máy CNC | WH/MO/00027 | Mặt bàn | 09/15/2022 11:49:... | 500:00 | 400:00 | Finished |
| Sản xuất chân bàn ... | Máy tiện | WH/MO/00028 | Chân bàn | 09/15/2022 11:48:... | 4000:15 | 4000:00 | Finished |
| Sấy gỗ 1 chân bàn | Phòng sấy | WH/MO/00029 | Chân bàn đã sấy | 09/15/2022 11:47:... | 2222:34 | 2222:00 | Finished |
| Xẻ gỗ hình khối ch... | Máy CNC | WH/MO/00030 | Chân bàn trước sấy | 09/15/2022 11:47:... | 2000:00 | 1000:00 | Finished |
| Sấy gỗ 1 chân bàn | Phòng sấy | WH/MO/00034 | Chân bàn đã sấy | 09/15/2022 11:12:... | 222222:34 | 222222:00 | Finished |
| Xẻ gỗ hình khối ch... | Máy CNC | WH/MO/00035 | Chân bàn trước sấy | 09/15/2022 11:11:... | 200000:00 | 170000:00 | Finished |
| Lắp đặt dây đai thun | Team sản xuất sof... | WH/MO/00036 | Ghế sofa | 09/30/2022 13:17:... | 200:00 | 00:00 | Waiting for compon... |
| Cắt dán hệ thống n... | Team sản xuất sof... | WH/MO/00036 | Ghế sofa | 10/03/2022 11:08:... | 166:40 | 00:00 | Waiting for another ... |
| Bọc vỏ da cho sofa | Team sản xuất sof... | WH/MO/00036 | Ghế sofa | 10/03/2022 14:55:... | 333:20 | 00:00 | Waiting for another ... |
| Đóng khung xương... | Team sản xuất sof... | WH/MO/00037 | Khung gỗ | 09/27/2022 09:56:... | 200:00 | 00:00 | Finished |
| Lắp đặt dây đai thun | Team sản xuất sof... | WH/MO/00038 | Ghế sofa | | 66:40 | 00:00 | Waiting for compon... |
| Cắt dán hệ thống n... | Team sản xuất sof... | WH/MO/00038 | Ghế sofa | | 55:34 | 00:00 | Waiting for another ... |
| Bọc vỏ da cho sofa | Team sản xuất sof... | WH/MO/00038 | Ghế sofa | | 111:07 | 00:00 | Waiting for another ... |
| Đóng khung xương... | Team sản xuất sof... | WH/MO/00039 | Khung gỗ | 10/03/2022 10:02:... | 66:40 | 00:00 | Ready |
| Ghép 1 cái chân bà... | Tổ lắp ráp | WH/MO/00040 | Bàn gỗ | 04/19/2023 09:38:... | 30:00 | 00:00 | Finished |

572527:31 432235:30

Display screen Viindoo

| Overview of the interface | |
|---------------------------|--|
| SAP S/4HANA | <p>The user interface of SAP S/4HANA is designed in a modern, streamlined style.</p> <p>For each small business operation, SAP requires users to enter data in multiple tabs/ different sub-screens. This will create difficulties for new users.</p> <p>The SAP report screens are mostly presented in Excel ALV format.</p> |
| Oracle ERP Cloud | <p>The customization feature of the Oracle interface allows users to optimize their workflow.</p> <p>However, the Oracle ERP interface also has some drawbacks. As this system is designed to meet the needs of large and complex businesses, the interface can be complex for new users to use certain features.</p> <p>In addition, the Oracle ERP interface requires powerful hardware to run smoothly.</p> |
| Sage 100 | <p>The interface of SAGE 100 is designed to simplify business processes and make software usage easier. The interface is designed with intuitive menus and toolbars, making it easy for users to find and access various functions and features. In addition, the interface provides dashboards and reports to help users gain an overview of their business operations.</p> |
| Viindoo | <p>The Viindoo interface is designed to be user-friendly, allowing users to easily become familiar with it for quick information management and retrieval.</p> <p>Viindoo allows users to view reports and statistics in various interface styles such as: List, Kanban, Pivot, Calendar, Chart, Activity Table, Gantt chart, etc., helping users to easily understand and analyze data.</p> |

System features

| | SAP S/4HANA | Oracle ERP Cloud | Sage 100 | Viindoo |
|---|-------------|------------------|----------|---------|
| Production planning | | | | |
| Overall production planning | ✓ | ✓ | ✓ | ✓ |
| Bill of Materials (BOM) | ✓ | ✓ | ✓ | ✓ |
| Production progress tracking | ✓ | ✓ | ✓ | ✓ |
| Production process control | | | | |
| Automatic supply of materials for production orders | ✓ | ✓ | ✓ | ✓ |
| Management of each production stage | ✓ | ✓ | ✓ | ✓ |

| | SAP S/4HANA | Oracle ERP Cloud | Sage 100 | Viindoo |
|--|----------------|---------------------|----------|---------|
| Production process control | | | | |
| Management of outsourcing processes for production | ✓ | ✓ | ✓ | ✓ |
| Pre-production material inspection | ✓ | ✓ | ✓ | ✓ |
| Quality control of production stages | ✓ | ✓ | ✓ | ✓ |
| Product lifecycle management | ✓ | ✓ | ✓ | ✓ |
| Control of consumption rates during production process | ✓ | ✓ | ✓ | ✓ |
| IoT integration | ✗ | ✓ | ✗ | ✗ |

| | SAP S/4HANA | Oracle ERP Cloud | Sage 100 | Viindoo |
|---|----------------|---------------------|----------|---------|
| Product cost management | | | | |
| Collection of material costs based on actual consumption and timing | ✓ | ✓ | ✓ | ✓ |
| Collection of labor costs | ✓ | ✓ | ✓ | ✓ |
| Collection of allocated production costs | ✓ | ✓ | ✓ | ✓ |
| Product cost reporting | ✓ | ✓ | ✓ | ✓ |

Pricing and conditions

| SAP S/4HANA | Oracle ERP Cloud | Sage 100 | Viindoo |
|---|---|--|---|
| Pricing | | | |
| From \$120,000 to \$2,000,000 <i>(The figures are for reference only. Currently, the prices of SAP S4/HANA packages are not publicly available. Please refer to this link for more information.)</i> | Plans: <ul style="list-style-type: none">Financial reporting plan: \$175/monthAdvanced financial control: \$80/user/monthAdvanced access control plan: \$150/user/month | <ul style="list-style-type: none">\$150/user/month | Yearly plans: <ul style="list-style-type: none">OneApp plan: For one app only, freeStandard plan: \$8/user/monthLuxury plan: \$9,66/user/month Monthly plans: <ul style="list-style-type: none">OneApp plan: For one app only, freeStandard plan: \$8,43/user/monthLuxury plan: \$10,73/user/month |
| Number of users allowed | | | |
| Limited according to the license | Limited according to the license | Unlimited | Unlimited |

| SAP S/4HANA | Oracle ERP Cloud | Sage 100 | Viindoo |
|--|---|---|--|
| Billing term | | | |
| Depending on projects | Monthly | Annually | Monthly of Annually |
| Free Trial | | | |
| 14 days | 30 days | Not provided | 15 days |
| Consulting and Implementation services | | | |
| Consultancy and implementation provided by SAP S/4HANA partners in the region. | Consultancy and implementation provided by Oracle ERP Cloud partners in the region. | Consultancy and implementation provided by Sage 100 partners in the region. | <div>1. The deployment support services are carried out by Viindoo's specialists.</div> <div>2. The free training hours according to the package are as follows:</div> <div><div>• Standard package: 3 hours (applies to both annual and monthly payment plans)</div><div>• Luxury package: 5 hours (applies to both annual and monthly payment plans)</div></div> |

CONCLUSION

Nowadays, businesses face many difficulties when deciding which ERP solution to use for their company. These difficulties arise from the fact that ERP systems often have high costs, while businesses lack information or encounter difficulties in comparing solutions from different providers. Even when many new technologies are theoretically feasible, when put into use, they generally do not bring much benefit to organizations. Most ERP solutions from suppliers serve the essential and basic activities of the company. However, each specific business, with its own characteristics, requires different system requirements.

In general, the four ERP solutions mentioned in this document all have features that support the basic operations of a manufacturing business. SAP S/4HANA, Oracle ERP Cloud, and SAGE 100 are long-standing enterprise management software with a large number of users and partners, supporting multiple operating systems and having a professional user interface. However, the cost of these two software can be too high for small and medium-sized businesses, and customers will mainly receive services through distributors. Regarding Viindoo, this software provides a production management solution with a cost that is even suitable for small and medium-sized businesses. In addition, Viindoo's customers will also receive direct support from the company's dedicated and experienced specialists. However, the number of users and partners of this software has not reached a significant level. Each software has its own advantages and limitations. Therefore, when choosing enterprise management software, users need to evaluate and compare features, costs, and support services to find the most suitable software for their needs.

There are many factors to consider when a business makes a decision to choose an ERP solution. The fundamental questions that need to be answered when a business needs to choose an ERP system are: How will the system be used in practice and what are the most important requirements that the system must meet for the business? Does the business have any requirements for the user interface? How much investment cost is the business willing to spend? etc. Viindoo hopes that through this article, managers can find the most suitable ERP software for their needs and the financial capabilities of their business.



Viindoo

Powering Your Business Growth



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