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- A process of managing all resources and their use in the entire enterprise in a coordinated manner
- > ERP is a **set of integrated business applications**, or modules which carry out common business functions such as general ledger, sales forecasting....
- Support business through optimizing, maintaining, and tracking business functions suchas HR, financial, manufacturing etc...
- > Focused on value chains, rather than individual functions
- More about business process change than technology

ERP core capabilities include:

- > Integrated modules
- > Common process and data models and definitions
- > Common database update one module, automatically updates others

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### Benefits of ERP

- ✓ Common set of data
  - ✓ Removes consistency and synchronisation issues





- Allow companies to better understand their business.
- Helps companies standardise business processes and more easily enact best practices.
- More efficient processes enable companies to concentrate their efforts on serving their customers, maximizing profit, and building a competitive advantage.

### Potential Limitations of ERP



- ✓ No organisation exists in isolation <u>value chain</u> <u>business processes</u>
  - There are always suppliers and clients who use different data models.
  - ✓ This means that the need for integration cannot be removed.
- Inter-department integration relies on using the global FRP
  - Causes problems with anomalous departments, recently required, geographically isolated or with different business processes.
- ✓ The software can drive the business rather than the other way around
  - Templates tend to impose the standard business process rather than your organisation's business process. This is okay for commoditised processes but not for all.

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## ERP Modules

# The "modular" ERP System - Most systems are modular to permit automating some functions but not others. - Some common modules, such as finance and accounting, are adopted by nearly all users; others such as human resource management are not. - For example, a service company probably has no need for a manufacturing module. - Other companies may already have a system that they believe to be adequate. Generally speaking, the greater the integration benefits, but also the greater the costs, risks and changes involved.

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