



COLORADO MESA

U N I V E R S I T Y

ERP Modernization Project

December 5, 2022

Digital Transformation

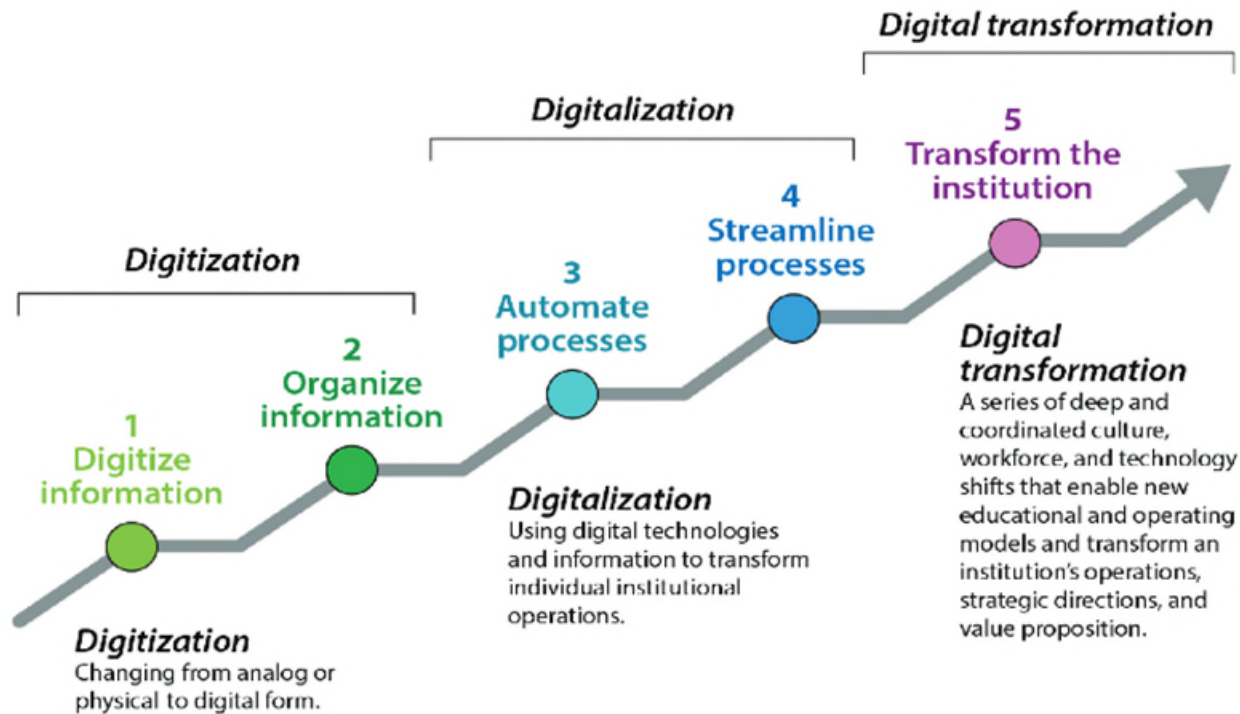


Figure 1. Digital transformation in context

D. Christopher Brooks and Mark McCormack. *Driving Digital Transformation in Higher Education*. ECAR Research Report. Louisville, CO: ECAR, June 2020.

ERP Modernization

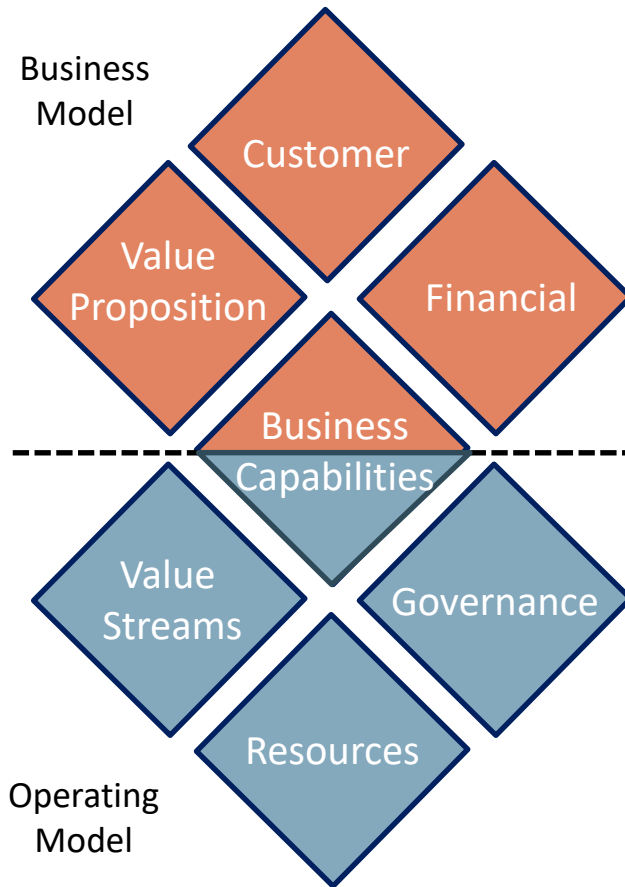
2020 Technology Master Plan

CMU identified digital transformation as a key technology trend that must continue to be advanced.

Digital transformation is not one technology project or process-improvement initiative; it is a comprehensive change that focuses on the end user and going about business differently.

Goal 1B: Implement web-based administrative platforms and modernize the University's Enterprise Resource Planning (ERP) system to improve services. (Supports CMU's Strategic Plan Goal 3, Objective 3.)

Student/Business Outcomes



Student/Business Outcomes

- Innovate business practices to best serve students
- Drive efficiency
- Lower the costs of a higher degree

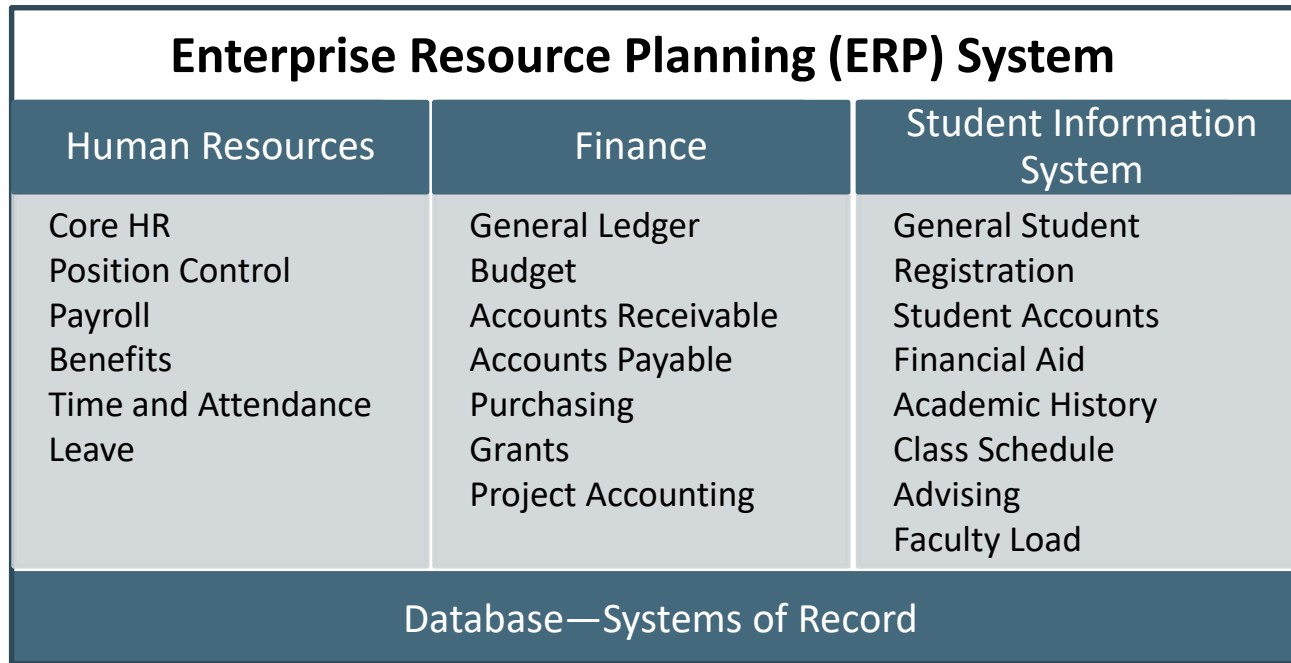
Digital Capabilities

ERP Strategy

- Increase business agility
- Leverage the latest technologies
- Deliver business capabilities
- Transform the user experience

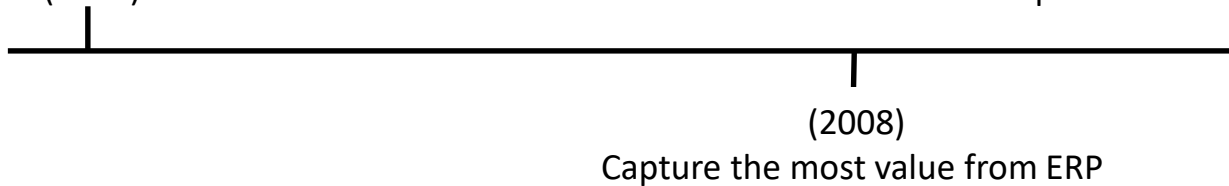
Source: Gartner

Modern ERP (1990s)



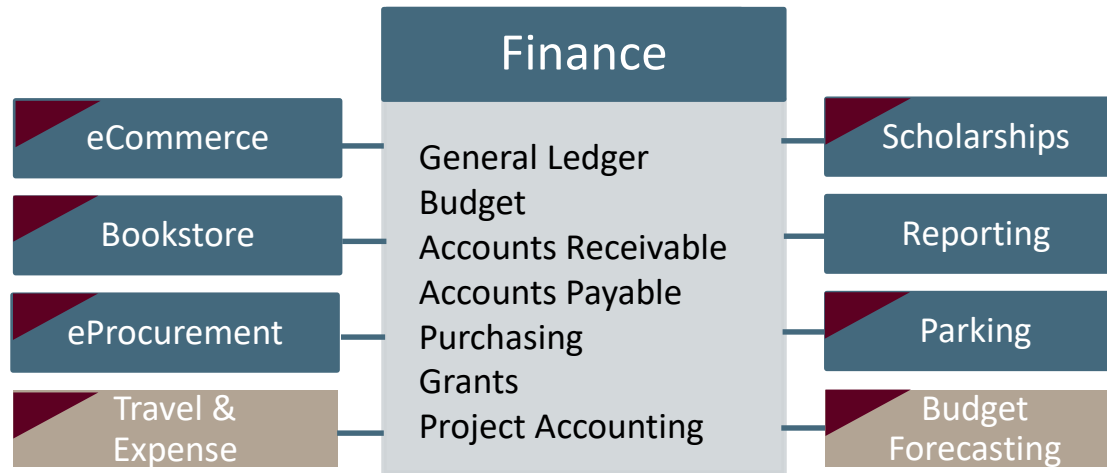
Monolithic ERP
(1990)

Add-on point solutions /
Re-implemented ERP modules



Postmodern ERP (today)

Postmodern ERP—Example: Finance



■ Business Application ■ Future Application
— Data Integration ■ Cloud-delivered



Two-thirds of CMU's Enterprise Applications are Cloud-based (today)

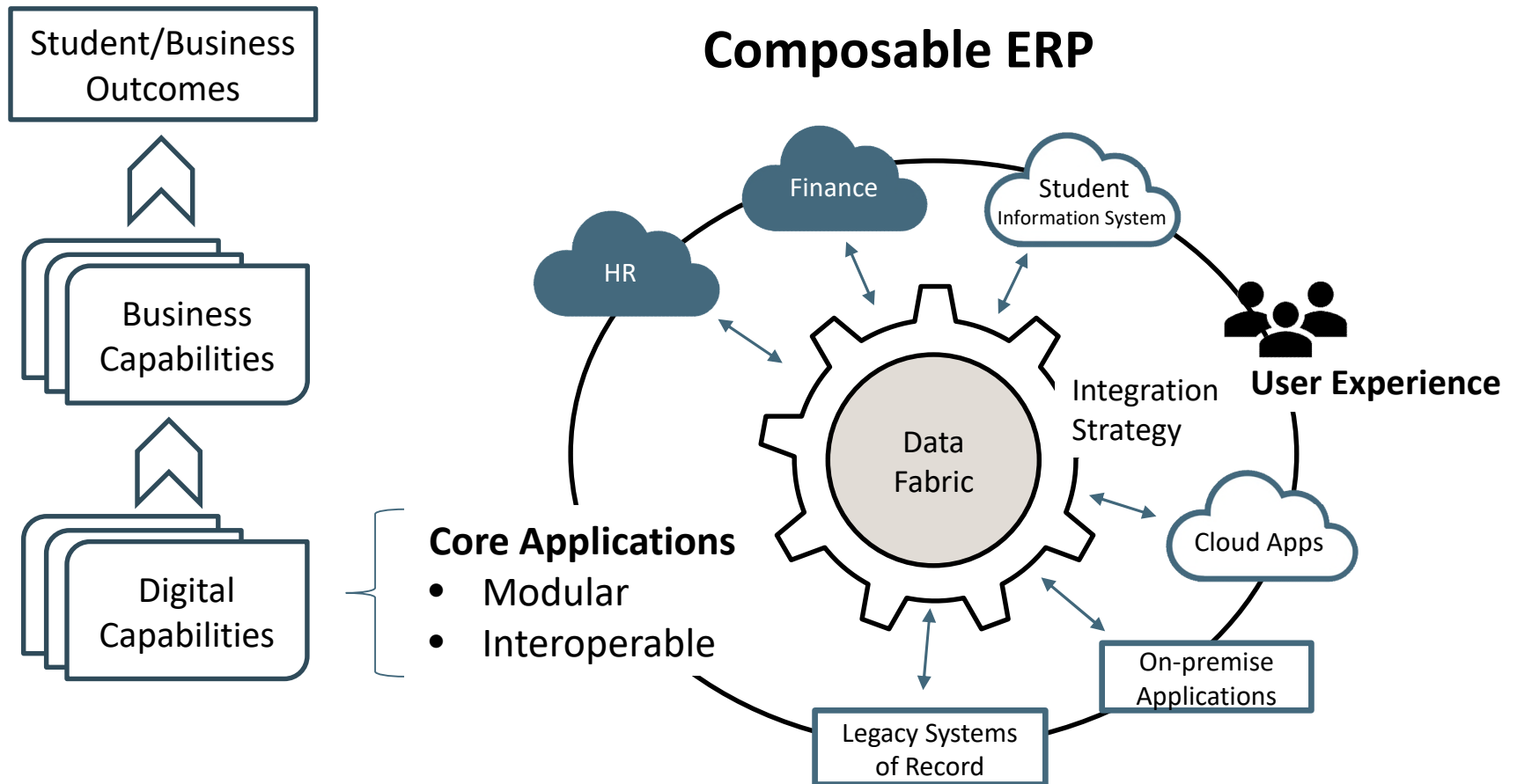
ERP Modernization Strategy

Develop a composable ERP—an adaptive technology strategy that defines a core of applications that are configurable and interoperable—with defined data management, integration, and user experience strategies.



Enabling CMU's ERP and business applications to provide the digital capabilities to keep pace with the rate of business change.

ERP Modernization



ERP Modernization Objectives

1. Implement cloud software-as-a-service (SaaS) HR and Finance systems capable of leveraging the latest, ever-evolving technologies to reimagine and develop business capabilities that deliver on student and business outcomes.

FROM

Mostly manual tracking and reporting of personnel hiring practices

Predominate use of spreadsheets and e-forms for budget submissions

TO

Embedded analytical tools to help target underrepresented groups in the job market

Integrated budget building tools and approval processes

BECAUSE

Advance recruitment tools in support of diversity and inclusion goals

Expand financial planning and analysis capabilities to enable continuous financial forecasting and budget modeling

ERP Modernization Objectives

2. Develop comprehensive data management and data integration strategies to enable the deployment of more loosely coupled enterprise applications, improving business agility.

FROM

Classic methods of data integration such as flat file transfers and batch processing

Traditional data management tools (e.g., databases and reporting data repositories) managed solely by central IT

TO

Advanced integration tools like iPaaS platforms that leverage web services and APIs that span support across on-premise and cloud applications

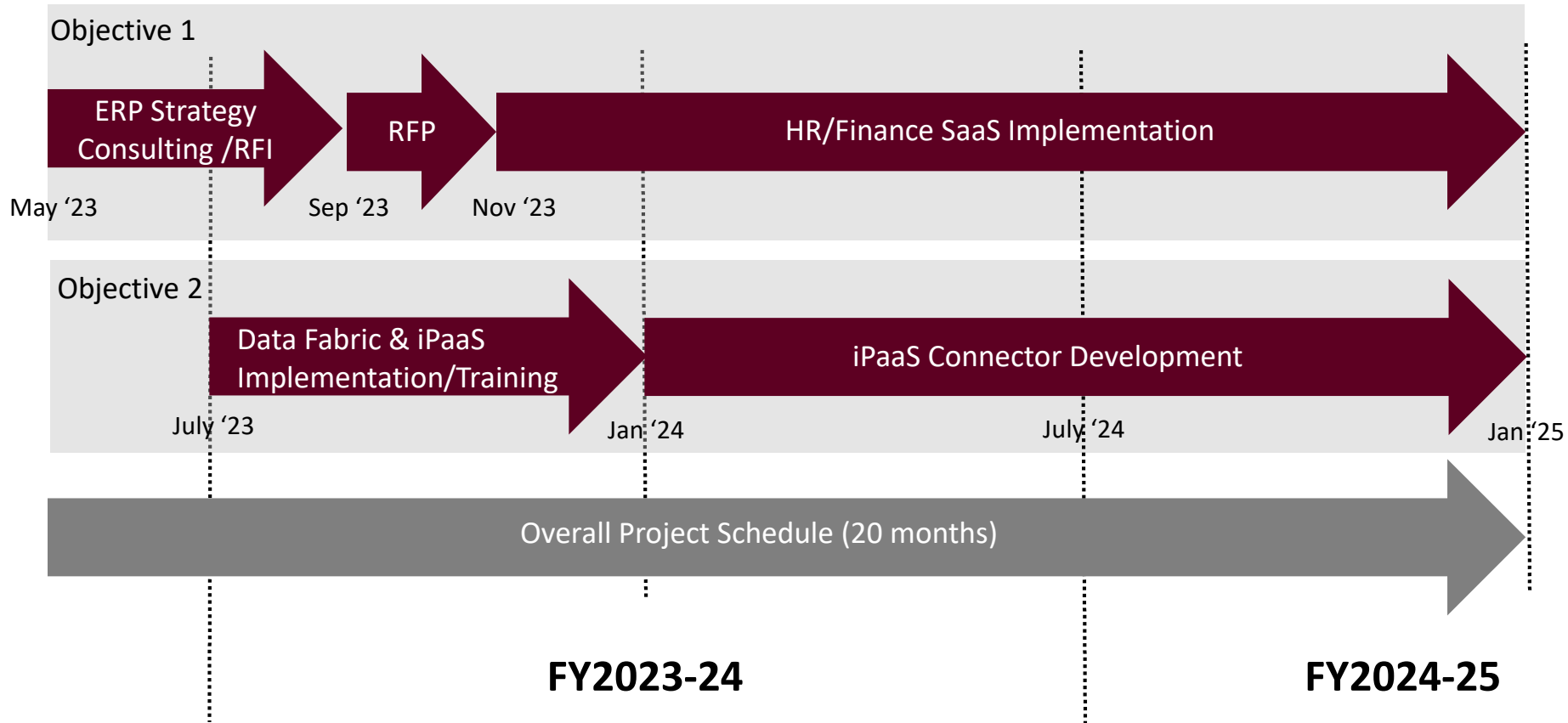
Modern data strategies that support analytic workloads, integrations, and data governance

BECAUSE

Improve business agility when adding applications with less reliance on vendor-provided tools

Reduce time to value by delivering faster access to trusted data across distributed ecosystems and enable support for technologies like Machine Learning

Project Schedule



Final Comments

Opportunity for change that focuses on the end user and going about business differently.

Collaborating with other Institutions of Higher Ed

- Participating on monthly ERP project calls
- Integration Platform as a Service (iPaaS)

Implementation challenges

- Business unit workload
- Hiring temporary staffing

Annual Operating Savings: \$238,307

Thank you

Jeremy Brown
VP for Information Technology