TRANSFORMATION TO A BOLDER IT

Leadership needs mission-enhancing technologies.

MSU IT needs architecture standards and mechanisms for managing demands.

Campus IT units need reliable commodity services.

AVPs need transparent way to prioritize IT investments.

Students need consistent experiences.

Researchers need reliable storage and backup.

Provost needs to leverage data for competitive positioning.

Faculty need reliable ways to communicate with students.

MSU INFORMATION TECHNOLOGY
Transforming MSU's Information Technology

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Analysis Included

Colleges and Departments
Administrative and IT units in colleges and departments provided technology data.

Interviews
Executives, faculty, staff, and students were interviewed for information.

Financial Transactions
IT transactions were studied.

IT
Organizational structures and personnel studied.
Analysis Revealed

50% Space
With insufficient (and sometimes insecure) network capacity.

71 Data Centers
Occupying 32,000 square feet of space and 50% are not purpose-built.

$117 million Annual IT Operating Spend
Including redundant email and storage solutions.

791 IT Personnel
Sixty percent (60%) are working in the 140 colleges and departments across campus.

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WORKING TOGETHER...

STRENGTHEN    ALIGN    INNOVATE
Providing Context: Common “Systems” View

Systems of Innovation
- Ahead of market, opportunity with calculated risk
- Example: Innovation Hub projects

Systems of Differentiation
- Enable industry-specific capabilities & unique processes
- Example: Pro-active advising, student analytics, research administration

Systems of Record
- Support core transaction processing
- Able to be “commercial off the shelf” (COTS)
- Example: EBS, Student Information, EMR

Commodity IT
- Infrastructure: Networks, data center, servers, storage
- Desktop: Collaboration, Office, PC, Print
- Example: Office 365, Virtual server & storage
The #SpartansWill Approach

- One team, one plan using ‘tiger team’ approach
- Transformation through iteration
- IT as full partner
- Applications: Usable, lightweight
- Data: Built durable to last
- Security: Yes
Student Success Program

• Goal: Improved degree attainment rate

• Objectives: The power of “AND” >
  New/better AND what works now
  • Early warning system > Rewrite of existing system (UX, process) > EASE
  • Predictive analytics > EAB Student Success Collaborative > Underway, pilots 2016
  • Degree planning > In planning stage
  • Non-cognitive information > Currently MapWorks; evolving strategy
  • Student communication (their way) > A Post-It story
Executive Oversight

**Oversight:** Transformation and direction through collaborative, focused leadership.

**Platform and Data Management:** Unit and IT leadership/experts in partnership, charged with overall lifecycle. Focus on stewardship, progress, innovation.

**Commodity IT Management:** IT led with focus on stewardship, stability, efficiency. Input from x-unit IT personnel. High usage among these common technologies could yield the greatest effectiveness and efficiency.

Proposed MSU Governance Model

**Infrastructure & Desktop**
Enterprise Information Stewardship

- Cognos Upgrade
  - Interface Improvements, Report Improvements, Dashboards, Mobile, My Datasets
- Data Stewardship
  - Processes/Tools
  - Master Data Management (MDM)
- Profile Planning Summary
- Student Success Initiatives
- Analytics

MSU INFORMATION TECHNOLOGY
WORKING TOGETHER...

STRENGTHEN

ALIGN

INNOVATE
SPARTANS WILL.

WE WILL.

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