Student Information System (SIS): A Roadmap for the Future

A PIVOTAL TIME AT UBC

A Joint Message From
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UBC is at a critical juncture in the evolution of its pedgogical model and its ability to support students, faculty and staff in the competitive global higher education arena. We need to adapt our practices and processes and invest in underlying technologies to support this transformation.

The Student Information System (SIS) is a crucial system supporting our students' success as well as the foundation for many of our faculty and staff processes.

Our current SIS has reached its capacity to support our anticipated future needs. Therefore, we are undertaking an initiative to plan for the replacement of the SIS with a commercial product.

THE BIG PICTURE

A strategic decision has been made by UBC to replace our AGING, CUSTOM BUILT SIS with a VENDOR-SUPPLIED SYSTEM.

The SIS Governance Committee has ENDORSED the recommendation for *SITS:VISION* BY TRIBAL EDUCATION to replace the remaining SIS applications.

TOGETHER we will replace the SIS in the next …

5 to 7 years

WHY REPLACE THE SIS?

CURRENT VS FUTURE

20 years of

CURRENT	FUTURE
Custom built software as a result of case-by-case use scenarios	Deployment of commercial software requires shorter timeframes than custom development
Purpose built – current functionality demands require workarounds	Configurable – unique UBC requirements quickly adapt to changing business needs
Stability and integrity of overall system is impacted by adding new functionality	Stable foundation allows for new and complex functionality
Students, faculty and staff are forced to use several applications throughout their experience to complete different tasks	Ultimately a tailored experience for students and faculty/staff
Reduced cost effectiveness, efficiency and adaptability to the evolving needs of the University	Reduced total cost of ownership

THE RECOMMENDATION

SITS:Vision by Tribal Education is recommended to replace the remaining SIS applications

Based on previous project evaluations, market research and on-going assessments

A MAJOR DECISION

The replacement of the SIS is a major decision requiring Executive approval

This action requires additional due diligence, market analysis and consultations

WHAT MAKES *SITS:VISION* THE RIGHT CHOICE?

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Post-secondary clients WORLDWIDE and 1300 education and technology specialists on staff

Chosen by 4 independent UBC APPLICATIONS as a solution

Positive experience for in-flight projects. EXCELLENT RELATIONSHIPS with consultants & executive

"CENTRE OF EXCELLENCE" partnerships for development of effective SIS practices

UK SITE VISIT

BIRMINGHAM City University

UNIVERSITY OF WOLVERHAMPTON

UNIVERSITY OF OXFORD

UCL

TRIBAL education

Brunel UNIVERSITY

PROCESS FOR RECOMMENDATION

Initial Procurement Processes

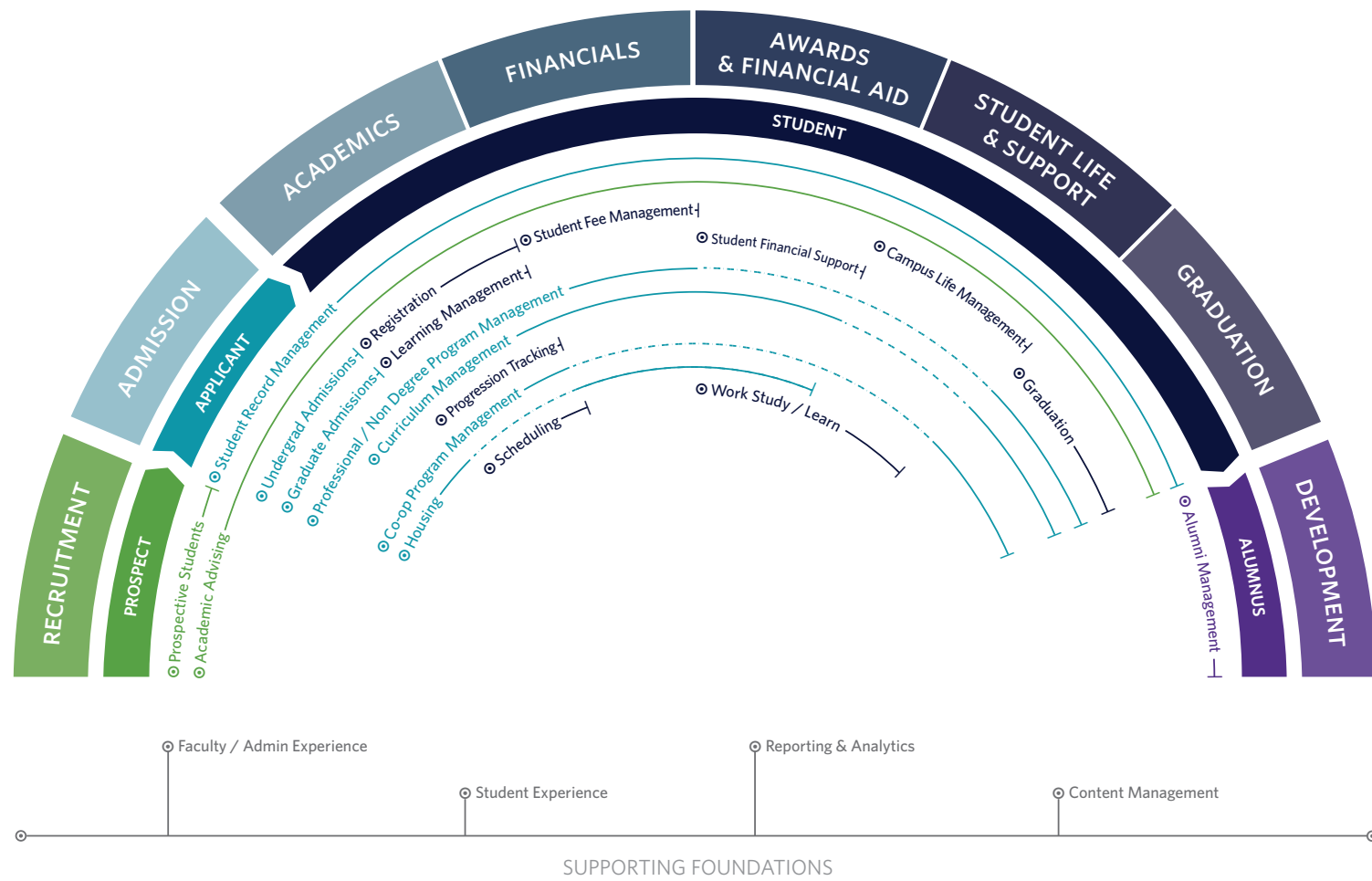- 4 UBC applications independently chose *SITS:Vision* by Tribal Education as a solution

University-wide workshops

- Generate awareness of previous decisions and evaluation due diligence
- Gain feedback for prioritizing and sequencing of SIS applications for replacement

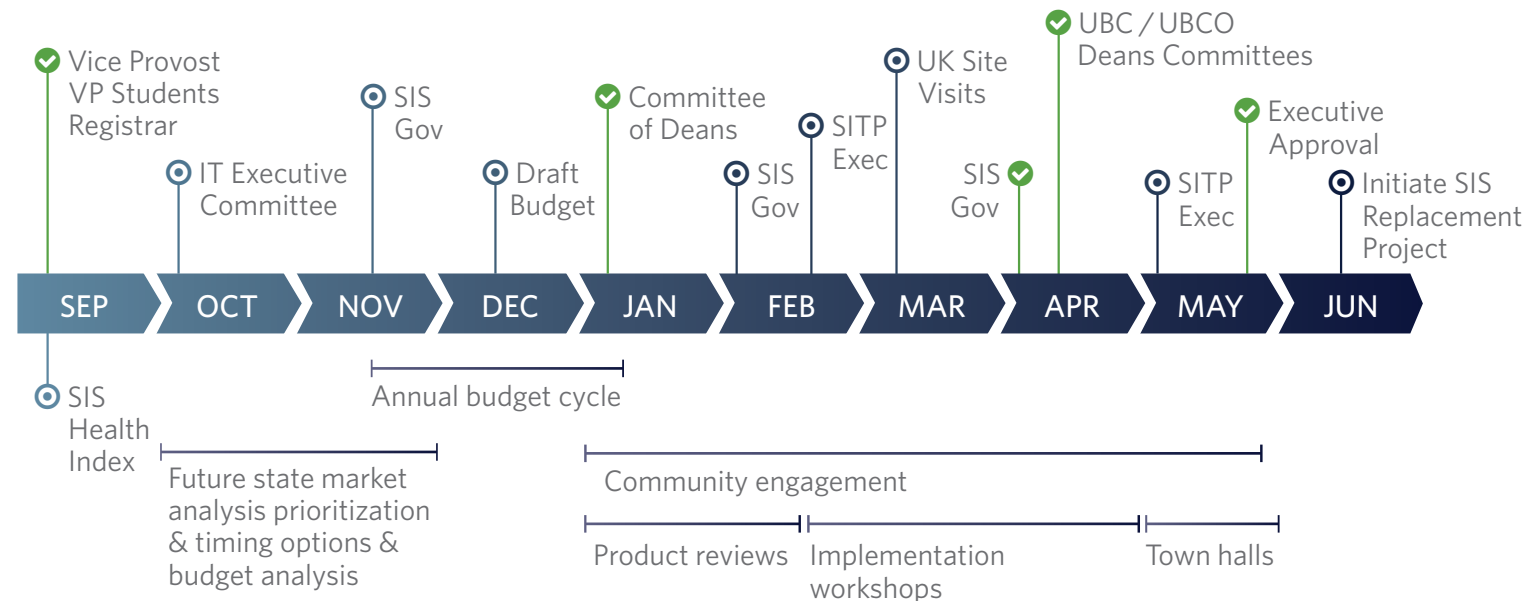### Further due diligence and market analysis

- Additional market and feature analysis
- Review of projects under-way
- UK site visit by representatives from both campuses (ES, Faculty, IT)

SITP
transforming interactions

OVERVIEW OF THE CURRENT SIS LIFECYCLE & BUSINESS AREAS

Arc diagram labels (outer to inner):
- RECRUITMENT
- ADMISSION
- ACADEMICS
- FINANCIALS
- AWARDS & FINANCIAL AID
- STUDENT
- STUDENT LIFE & SUPPORT
- GRADUATION
- DEVELOPMENT
- PROSPECT
- APPLICANT
- ALUMNUS

Inner arc labels:
- Prospective Students
- Academic Advising
- Student Record Management
- Undergrad Admissions
- Graduate Admissions
- Registration
- Professional / Non Degree Program Management
- Learning Management
- Curriculum Management
- Co-op Program Management
- Housing
- Progression Tracking
- Scheduling
- Work Study / Learn
- Student Fee Management
- Student Financial Support
- Campus Life Management
- Graduation
- Alumni Management

SUPPORTING FOUNDATIONS
- Faculty / Admin Experience
- Student Experience
- Reporting & Analytics
- Content Management

Business Areas

- **PROSPECTIVE STUDENTS**
  Recruitment – domestic and international

- **ACADEMIC ADVISING**
  Student academic support

- **STUDENT RECORD MANAGEMENT**
  Student contact, biographical and academic management

  + **ACADEMIC RECORD MANAGEMENT**
    Student academic activity/history at UBC

- **UNDERGRADUATE ADMISSIONS**
  Undergraduate student application and admission

- **GRADUATE ADMISSIONS**
  Graduate student application and admission

- **PROFESSIONAL / NON-DEGREE PROGRAM MANAGEMENT**
  Application, admissions and registration

- **CURRICULUM MANAGEMENT**
  Program and course development and management

- **CO-OP PROGRAM MANAGEMENT**
  Co-op program admission and work-term management

- **HOUSING**
  Student accommodation application, assignment and management

- **REGISTRATION**
  Program and course selection, registration and timetabling

- **LEARNING MANAGEMENT**
  Online course development, delivery and management

- **PROGRESSION TRACKING**
  Student academic performance assessment and tracking

  + **DEGREE AUDIT**
    Tracking of program completion and graduation criteria

  + **DOCTORAL EXAMS**
    Thesis defense scheduling and management

  + **EXCHANGE PROGRAM MANAGEMENT**
    Go Global and management of similar student exchange programs; includes management of transfer credits

  + **STUDENT EVALUATION**
    Course and instructor rating and satisfaction

- **SCHEDULING**
  Room/building and instructor scheduling and management

  + **ACCESSIBILITY & ACCOMMODATION**
    Support for students with disabilities

  + **TEACHING ASSIGNMENT / SECTION MANAGEMENT (TASM)**
    Instructor and TA duty assignment and section management

- **STUDENT FEE MANAGEMENT (SFM)**
  Student tuition and fees account management

- **STUDENT FINANCIAL SUPPORT (SFS)**
  Scholarships, bursaries and loan management

- **WORK STUDY/LEARN**
  Work-study/learn/internship management

  + **CAREER ADVISING**
    Career counseling and support

- **CAMPUS LIFE MANAGEMENT**
  Non-academic student activities

- **GRADUATION**
  Ceremony and parchment management

- **ALUMNI MANAGEMENT**
  Alumni engagement

  + **DONOR MANAGEMENT**
    Fundraising

- **FACULTY/ADMINISTRATION EXPERIENCE**
  Online and mobile system access for all faculty and administrative SIS functionality

- **STUDENT EXPERIENCE**
  Student mobile and online access to all required SIS functionality

- **REPORTING & ANALYTICS**
  Reporting, trend analysis/predictive modeling

- **CONTENT MANAGEMENT**
  Content publishing (online, print) and document storage

SIS ROADMAP REVIEW TIMELINE

Timeline months: SEP, OCT, NOV, DEC, JAN, FEB, MAR, APR, MAY, JUN

Milestones:
- Vice Provost VP Students Registrar
- SIS Health Index
- IT Executive Committee
- SIS Gov
- Draft Budget
- Committee of Deans
- SIS Gov
- SITP Exec
- UK Site Visits
- SIS Gov
- UBC / UBCO Deans Committees
- Executive Approval
- SITP Exec
- Initiate SIS Replacement Project

- Annual budget cycle
- Future state market analysis prioritization & timing options & budget analysis
- Community engagement
- Product reviews
- Implementation workshops
- Town halls

CONTACT INFORMATION

We value your input and questions. For more information, please contact:

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Other Resources
http://facultystaff.students.ubc.ca/sis-roadmap

TWITTER @SISroadmap_UBC

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