Project Proposal

Project Title: Data Warehouse and Reporting Tools Development & Implementation	Date: 05/03/2019

Background	**Business Case**: To support and nurture a culture that values data-informed decisions, decision-makers need more immediate access to data. At this time, most requests for data not anticipated by Colleague must be fulfilled by limited staff with highly specialized SQL querying skills. There is a weekly warehouse of data that is extracted and refreshed on a weekly basis, but this weekly warehouse is limited to certain enrollment aspects and some other general student related data such as placement, student program declaration and graduation data. It does not have intricate details of student data needed for operational uses or service area assessment. Those who do have access to data are limited in available tools to retrieve data. Even with a fully built data warehouse, there is a need to formally determine the tools the college use for reporting needs – realizing that one tool can most likely not meet the various needs for both operational paginated/list reports, quick aggregate analysis and higher-level performance indicators (KPIs) that may be best set up as dashboards. **Cost of current condition**: Student operations, large projects and assessment are bottlenecked by limited resources that can access data needed for analysis and decisions. **Challenges For Project**: Competing interests and priorities to get the necessary hours dedicated to build a robust data warehouse.
Outcomes What will be better and how will we know it?	Service areas will have access to their data, and have the necessary tools to interact with their data. This level of data ownership will support a culture of inquiry and inform decision-making. Accessible, timely data will allow the college to be more responsive to current students' needs. Moreover, having a single data warehouse will instill confidence in the reliability of college data.
Boundaries	Design and develop a warehouse data structure with Colleague production data from the following areas (**DRAFT**): • Finance (Business Office) • Accounts Receivable

	• Core Person (name, address, demographics)
	• Admission and Onboarding (application, placement)
	• Student (descriptive data, GPA, education goal)
	• Enrollment (waitlist)
	• Completion (petition, graduate)
	• Curriculum (course, section, program)
	• Institution and Institution Attended Data
	• Degree and Academic Program
	• Term
	• Division & Department
	Select and implement reporting tool(s), which includes: • Guidelines around use and deployment of reports. • Maintenance agreements around the tool(s) themselves to ensure ability and consistency of data interaction.
Timeline, if known:	TBD, ideally one year. DIG will review and finalize list of areas in upcoming 5/8 meeting.
The Team	**Sponsor**: DIG **Team Leader**: **Team Members**:	**Stakeholders:** • Institutional Research • Student/Enrollment Services • Business Office • Student Accounts