EXHIBIT B

Request for Proposal: Enterprise Data Warehouse and Bu
Technical Interrogatories

1. Ease of use

Number	Description
1.01	Provide evidence of the system ease of use by DW and BI platform administrators and end users (leaderships, college administrators/managers, faculty).
1.02	Describe the mechanisms in the product that make it intuitive for the user to prepare, analyze and share findings with others.

2. Product feature set and functionality

Number	Description
2.01	Describe the evolution of the Data Warehouse and Business Intelligence system software. Include the year of the first implementation and major developments which have occurred (e.g. new versions, new modules, new features).
2.02	Describe all tools and functionality that are a part of your DW and BI solution.
2.03	Identify the specific product names/SKUs that are delivering the critical capabilities, and describe the integration workflow between capabilities/components.
2.04	Describe some of the primary distinctive competencies or competitive advantages of your platform over leading DW and BI solutions in the higher education DW and BI market.

3. Data Management

Number	Description
3.01	Describe the included ETL/data integration capabilities of the platform.

Number	Description
3.02	Describe how data is stored and managed for exploration by the BI and analytics platform.
3.03	Describe the refresh scheduling capabilities by source type that are available within the platform.
3.04	Describe the utilities available to manage and monitor active data loads.
3.05	Describe how the user can mask/encrypt data within the workflow to hide protected/sensitive information.
3.06	Describe how the business user can view statistics on the overall quality and distribution of the data, and how the product identifies potential issues with the data and any facilities that auto recommend actions to fix identified issues.
3.07	Describe how the business user joins data sources and can access a variety of joins between data sources. Clarify if tool supports blending of measures only or union of multiple datasets with additional dimensions.

4. Analysis

Number	Description
4.01	Describe how the product offers analytical functions, such as time series analysis, clustering, estimation, classification, affinity analysis and attribute importance.
4.02	Describe how the product offers an extensive library of commonly used descriptive statistical functions, including mean, min., max., standard deviation, confidence interval and hypothesis testing using basic statistical capabilities (e.g., t-test, chi-square).
4.03	Describe the product's menu-driven capabilities for forecasting, trends, predictions, clustering, segments, correlations, factors analysis, etc. Describe the types of models and algorithms supported.
4.04	Describe how the product supports interactive capabilities: excluding data from views, cascading filters, drill down and up for different chart types, sort, zoom, panning and brushing, show detailed rows behind a visualization.
4.05	List which of the following basic chart types your product provides: table, bar chart, line chart, area chart, pie chart, sparklines, candlestick, scatter.
4.06	List which of the following intermediate chart types your product provides: combo chart, heat map, box plot, histogram, bubble, bullet, pareto, tree map, trellis, word cloud.
4.07	List which of the following advanced chart types your product provides: Marimekko, network, others (please specify).

Number	Description
4.08	Describe how users navigate to information without an active data connection, using locally stored information, and how they navigate between offline and online modes.
4.09	Describe which maps (i.e., ESRI, Google Maps, OpenStreet, and MapBox) are supported out of the box, and down to what level of detail: country, ZIP or street? Describe support for chloropleth (filled) or dot.
4.10	Describe what data must be supplied for data to be rendered as a map (latitude /longitude) and/or how information is automatically geocoded.

5. Infrastructure

Number	Description
5.01	Describe vendor's hosting facilities in broad terms including redundancy/failover, disaster recovery, and physical security controls.
5.02	Describe vendor's hosting geography: where are the hosting facilities located?
5.03	Describe vendor's hosting facility's capacity and scalability.
5.04	Describe how we monitor usage of resources and information.
5.05	Describe how customer can scale up and down the solution, such as in users, processing power, data repository space, bandwidth for data loading and other cloud-based resources.
5.06	Describe connectivity capabilities to other data sources, such as XML, RSS feeds, JSON, flat file, spreadsheets, ODBC, etc. List which ones.
5.07	Describe how the product supports native connectivity to enterprise applications either in the cloud or on-premises, and list each one supported.
5.08	Describe how the product supports direct query access via SQL and/or MDX. Confirm if using native adaptors or ODBC/JDBC. List native adaptors provided.
5.09	Describe how the BI platform can authenticate users (using LDAP, AD and SAML for cloud, etc.) as individuals and as members or roles or groups.
5.10	Describe how a business author of a report or analytic view can assign security permissions to the content they created.
5.11	Describe and list all the technologies used at every tier/layer within your solution. For example, .NET/portal/Java at the presentation layer, J2EE/other in the application layer, etc.
5.12	Describe the minimum desktop specifications (CPU, memory, flash player, etc.) required for end users of your system.

Number	Description
5.13	Describe any out-of-the-box capabilities and procedures for backup and recovery, and support for selective recovery of BI reports/dashboards and flexible controls available to manage the number of historical instances to be maintained.
5.14	Describe how your architecture supports high availability, failover, database cluster-awareness, and how system events are captured and viewed within the solution.
5.15	Describe the process for conducting capacity assessments to determine future needs. Provide the sizing guides you use for the clients using your solution (to estimate capacity based on users, transaction volumes, or other application profile parameters you use for the sizing, etc.)

6. Share findings

Number	Description
6.01	Describe how the product supports publishing of analytic content in all of the following formats: HTML, PDF, XML, Excel, comma-separated values (CSV), RSS feed and PPT. List each one supported.
6.02	Describe how the product supports layered PDF creation (the ability to create layers that display while printing but not on the screen, and vice versa) - renaming and merging layers; changing the properties of layers; and/or locking layers to prevent them from being hidden.
6.03	Describe how the product provides users with a code-free way to blend data visualizations, text, multimedia content and links to external content, to create a live infographic-type object.
6.04	Describe how the product provides BI content to end users on a scheduled basis and in a variety of output formats.
6.05	Describe the delivery methods available for alerting within the product (email, RSS feed, mobile or other).
6.06	Describe how the product allows users to post reports, graphs and analysis into public folders for others to access.
6.07	Describe how the product supports the creation of a storyboard to present a series of analytic content.
6.08	Describe how you enable discussion threads and commentary on shared BI content (reports, dashboards and analysis).
6.09	Describe how users can see a snapshot of the data at the time of the comment in the discussion thread?

6.10	In addition to the BI vendor-specific portal, describe how the product integrates and displays report or dashboard parts with full interactivity without customization. Describe the level of certified integration with most of the major enterprise portals, including Microsoft SharePoint.

7. Delivery properties

Number	Description
7.01	List all operating systems and browsers with which the solution is compatible.
7.02	Describe how the BI solution supports mobile delivery on multiple platforms (Apple iOS, Google Android, Microsoft Windows). Specify if there are differences in capabilities per device.

8. New releases, upgrades and patches

Number	Description
8.01	Describe the process for pushing out all product upgrades.
8.02	What is the frequency schedule for release of major and minor upgrades?
8.03	Describe availability and timing of upgrade documentation.

9.Training services

Number	Description
9.01	Describe the types of training provided on solution (onsite, webinar, video tutorials, user guides, etc.)
9.02	Describe user groups or user communities for solution.
9.03	Describe availability of user documentation.

10.Help desk services / Technical support

Number	Description
10.01	Describe the availability and include costs in Section VII for your company's ongoing technical and user support capability.
10.02	Include items such as who provides the support, tiers and avenues for support, availability of knowledge base, service metrics, availability of service level agreements, etc.
10.03	Describe support provided during system implementation.
10.04	Describe support provided post implementation.

11.Technical attributes. Please describe the technologies and processes used to develop and maintain the solution's	
Number	**Description**
11.01	Operating system(s)
11.02	Development language(s)
11.03	Database vendor(s)

12.Information security	
Number	**Description**
12.01	Does vendor have a dedicated information security group or function that is responsible for the oversight and implementation of information security? If so, please describe.
12.02	Describe the security certifications of the data center and BI application where customer cloud data is stored.
12.03	Describe how administrators are able to track user access to various data objects (dimensions and measures), by date, including whether the information was exported outside the BI platform. Clarify if the usage information is simply logged or if usage is reported in prebuilt reports and dashboards.

13. User and system documentation	
Number	**Description**
13.01	Describe the extent and nature of all documentation that will be included with the solution. Documentation should include but not be limited to reporting user guides, data warehouse administration documentation, data warehouse data dictionary, etc.)

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Enterprise Data Warehouse and Business Intelligence solution to

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