**Data Management and Data Analytics Capstone Topic Approval Form**

*The capstone challenges students to integrate skills and knowledge from several program domains into one project. The guidelines for this capstone course require you to demonstrate the application of academic and professional abilities developed as an undergraduate student in the BSDMDA program. It is highly recommended that the topic of your capstone be about resolving a current or perceived business problem. Your research topic should exemplify scholarship and research at the highest level and should be significant enough that it would help potential employers identify your abilities. It is also recommended that you use publicly available datasets for transparency and external validity.*

*This document is designed to help you clearly state the research question you will be exploring in your capstone project, the scope of your project, and your timeline in order to ensure that all of these align with your degree emphasis. Without clearly defining each of these areas, you will not have a complete and realistic overview of your project, and it cannot be accurately assessed whether your project will be acceptable for this capstone course.*

*If your project is one you have already completed at work or elsewhere, this document should be easy to fill in. Many students do use a project they have already completed in the past. In that case, you will write the proposal as if the project has not been completed yet, and when you report on your project, you will use your complete after-implementation report. If you have not yet completed your project, this document can help ensure the scope is within the acceptable range for this capstone. A course instructor must approve this form before you submit this task for evaluation. The task will not be evaluated without a course instructor’s signature. The course instructor may ask for additional information before approving this form.*

*Before submitting this form for approval, please remove all italicized directions in the form.*

***Please only submit a Topic Approval Form that has been signed by a course instructor for evaluation.***

**Capstone Topic Approval Form**

The purpose of this document is to help you clearly explain your capstone topic, project scope, and timeline. Identify each of the following areas so you will have a complete and realistic overview of your project. Your course instructor cannot approve your project topic without this information*.*

*Note: You must fill out and submit this form. Space beneath each number will expand as needed.*

*Any costs associated with the development of the data analytics solution will be the responsibility of the student.*

**Student Name:** Click here to enter text.

**Student ID:** Click here to enter text.

**Capstone Project Name:** Click here to enter text.

**Project Topic**: Click here to enter text.

**Research Question:** *Summarize one question or decision you will answer by collecting and analyzing a set of data.*Click here to enter text.

**Hypothesis:** Click here to enter text.

**Context:** *Explain in 500 words or fewer why the situation or question would benefit from data analysis.*Click here to enter text.

**Data:** *Identify data you will need to collect that are relevant to the situation or question.*Click here to enter text.

*If an existing dataset will be used, describe the dataset.* Click here to enter text.

*Explain who owns the data and why you are allowed to use the data for your capstone project.* Click here to enter text.

*Note: If you are using restricted information, please have the Third-Party Authorization Form signed by an authorized agent on behalf of the data owner. The data owner’s legal name is required on the form.*

**Data Gathering:** *Describe the data-gathering methodology you will use to collect data.*Click here to enter text.

**Data Analytics Tools and Techniques**: *Identify the appropriate data-analysis technique you will use to analyze the data.* Click here to enter text.

**Justification of Tools/Techniques:** *Explain why the data-analysis technique you chose is an appropriate technique to analyze the data collected*. Click here to enter text.

**Application Type, if applicable (select one):**

Mobile

Web

Stand-alone

**Programming/Development Language(s), if applicable:** Click here to enter text.

**Operating System(s)/Platform(s), if applicable:** Click here to enter text.

**Database Management System, if applicable:** Click here to enter text.

**Project Outcomes:** *List the key anticipated project outcomes and deliverables in fewer than 500 words*. Click here to enter text.

**Projected Project End Date:** Click here to enter a date.

**Sources:** Click here to enter text.

**Human Subjects or Proprietary Information**

Does your project involve the potential use of human subjects? (Y/N): Click here to enter text.

Does your project involve the potential use of proprietary company information? (Y/N): Click here to enter text.

**STUDENT SIGNATURE**

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**By signing and submitting this form, you acknowledge** that any cost associated with the development and execution of your data analytics solution will be your (the student) responsibility.

**TO BE FILLED BY A COURSE INSTRUCTOR**

**The capstone topic is approved by a course instructor.**

**COURSE INSTRUCTOR’S NAME AND SIGNATURE:**

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**COURSE INSTRUCTOR APPROVAL DATE:**

**Project Compliance with IRB (Y/N):**