



# COLLEGE OF INFORMATION STUDIES

**MIM** | MASTER OF INFORMATION  
MANAGEMENT

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# CAPSTONE SHOWCASE

*FALL 2020*

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Wednesday, December 9, 2020  
6:30 PM Eastern Time

# MIM CAPSTONE SHOWCASE

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## **Welcome and Opening Remarks**

*David Loshin, MIM Program Director*

*Keith Marzullo, Dean*

## **Student Presentations**

*Bhavesb Bellara*

*Elif Ecer*

*Owen Henry*

*Nikita Khatri*

*Danish Mir*

*Lisa Peterson*

*Ann Laura Walker*

*Anuja Wani*

## **Closing Remarks**

*David Loshin, MIM Program Director*

*Michelle Simon, MIM Program Manager*

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# STUDENT PROJECTS

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## **Bhavesh Bellara & Danish Mir**

*Client: WSSC Water*

*Project: Power BI Dashboard with Live Data Update for DSD-WSSC*

Our Client is Washington Suburban Sanitary Commission (WSSC), Office of Chief Engineer Engineering and Construction department. The department maintains data in Excel and Word documents, which is pretty cumbersome and the pain point that they wish us to address. Our Capstone project job is to upgrade the client's data from Excel to Power BI. Their data comes from a variety of systems within the organization: The main data includes ProjectDox for design plans, E-Permitting for permits, and Ebuilder for managing projects during construction, among others. Additionally the work of other offices is also tracked, such as hydraulic planning analysis conducted, documents digitized, etc.

## **Elif Ecer**

*Client: Brookings*

*Project: The Role of the Data Curator in the Brookings Data Lab Initiative*

The Brookings Data Lab initiative aims to establish a centralized big data lab to facilitate research collaboration and improve data governance. In this paper, the contemporary role of a Data Curator is discussed in theory and in practice in the context of this initiative. The latest data curation technologies are assessed and two commercial data catalogs are proposed for further evaluation.

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**Owen Henry & Nikita Khatri**

*Client: UMD Department of Dining Services*

*Project: Data Warehousing for Campus Dining Inventory*

Campus Dining Services is a business enterprise like any other - they need to track and control for inventory and costs. This is done through a set of business-critical reports that are only available through a legacy system that does not store data long term and is not easily accessible to line managers. Our project moves this important data to a data warehouse and moves reporting in Qlik, a SaaS report builder.

**Lisa Peterson & Anuja Wani**

*Client: UMD Office of Faculty Affairs*

*Project: Streamlining the Faculty Activity Reporting Process*

UMD's faculty activity reporting process can be cumbersome. Faculty often need to re-enter data from their CV in several instances. An analysis is conducted to see how this process might be improved to increase efficiency and convenience.

**Ann Laura Walker**

*Client: University System of Maryland*

*Project: National Student Clearinghouse Dashboard*

The consultant looked at data on applications to the University System of Maryland (USM) and submitted it to the National Student Clearinghouse (NSC) to see which institution of higher education enrolled. Data were analyzed to give the USM a better understanding of their market share and their competitors. The consultant will be demonstrating the final dashboard for this project.

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# THANK YOU, CAPSTONE CLIENTS!

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**Cy Behroozi**  
Brookings

**Hala Flores**  
WSSC Water

**Sharon Goodall**  
UMD Office of Faculty Affairs

**Fuller Ming, Jr.**  
UMD Department of Dining Services

**Chad Muntz**  
University System of Maryland

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