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## New submission from Sponsor Proposal

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**NJIT Capstone Website** <dina.m.anello@njit.edu>  
To: dina.m.anello@njit.edu, osama.eljabiri@njit.edu

Tue, Jan 30, 2024 at 6:39 PM

**Which semester?**

Spring 2024

**Company/Organization Name**

Verizon

**Name**

Suzanne Schnaars

**Position / Title**

Account Manager

**Which best describes your organization or affiliation?**

Fortune 500 Company

**Which best describes your industry?**

Software/Hardware/Telecommunications

**Business Phone**

(973) 879-9424

**Email**[suzanne.schnaars@verizonwireless.com](mailto:suzanne.schnaars@verizonwireless.com)**Website**<https://www.verizon.com/>**Address**

[1 Verizon Way](#)  
[Basking Ridge, New Jersey 07920](#)  
[United States](#)  
[Map It](#)

**How did you learn about the Capstone program?**

Our company has been working close with staff and faculty at NJIT. Dina Anello is our main POC. In conversations about how we develop a deeper partnership and help our technical recruitment efforts we discussed and agreed to sponsor a cloud related capstone. This is our formal submission

**Project Title**

Cloud Monitoring Data Analysis

**Project Description (500 Words Max)**

The Verizon Cloud Monitoring Platform (VCMP\*) is a data analytics platform that performs monitoring for fault, logging, performance, auto remediation, and ticketing for and from the infrastructure that comprises the VCP. Due to daily operations there is an enormous amount of data coming from the VCMP about the subsystems that comprise it.

The goal of this project is to transform data that is coming from VCMP into actionable information that can be leveraged to improve operations and therefore elevate a better customer experience.

**Project Checkout Deliverables (i.e.: What is your specific criteria to consider this project complete - This criteria cannot be changed during the semester without instructor and team approval)**

The objectives for this project include utilizing a machine learning infrastructure to build and train learning models that may be discovered when analyzing patterns within data from VCMP. The models may then be operationalized and deployed to Verizon's operating environment to further automate operational tasks.

Expectation is that the machine learning infrastructure from the University (or Verizon) would include but may not be limited to compute, network, storage, and analytics resources, processes, and any additional tooling required to produce repeatable correlation, patterns, and machine learning models.

**Expected Skillset / Background (What kind of students are you looking for to work on your project)**

Computer Science/EE /Data Analytics and or cloud background interest

**Project Contact Person**

Suzanne Schnaars

**Project Time Frame**

One Semester

**What sort of human resources are needed for this project? (Please select all that apply)**

This project is suitable for 4-person students team (capstone course)

**Special Instructions (Tools, Deadlines, Constraints, etc.)**

There is plenty of data available we could discuss concurrent teams working in parallel

**Would you be interested in offering a training session to our university students in an area of your expertise? (If yes, please explain below in details)**

We are already engaged with Dina on this and happily are working with her and the students.

**Have you employed any of our students in the past? (Please provide number, job titles, type/length of employment and any other income or benefit related data you can release)**

Yes I will gather specifics and share at a later date do not have that information available at this time.

**In addition to our team-based project courses, are you interested in offering part-time or full-time jobs to our students?**

Yes I have full-time job opportunities now