**IT 423 Project One**

**IT-423 Computing as a Service**

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**October 13, 2024**

**Project 1**

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This ERD effectively captures the core data entities and relationships necessary for YODAE's operations. By focusing on student and teacher information, the database can support key functionalities such as tracking student progress, managing teacher assignments, and analyzing educational outcomes.

The inclusion of the Enrollment entity establishes a clear connection between students and courses, enabling the system to track enrollment details, attendance records, and student performance. The Devices entity, on the other hand, establishes a connection between the devices used and the students and teachers that use them. The one-to-many and many-to-many relationships accurately represent the real-world associations between teachers and courses, and students and courses, respectively. This ERD provides a solid foundation for YODAE's cloud-based database design, ensuring that the system can effectively store and manage relevant data to support its educational services.

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