School Fuel - School Fuel

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Project Description: Student teams have a choice to work on three possible projects:

1. Tier-based pricing model (based primarily on Amazon Web Services products)
2. Design and development of a back-end analytics program
3. Design and development of an email communication process that delivers customizable notifications to users.

* Note: To protect intellectual property aspects, students will be expected to sign a non-disclosure and right to work agreement. Will be provided to students who are interested in discussing the project.

Student Learning Goals: Students will work with a new funded faculty-driven startup at ASU. School Fuel is a subscription-based service that provides K-12 principals and teachers with:

• Individualized, student-level recommendations to SOLVE underachievement issues
• Recommendations can be implemented in MINUTES rather than Months
• Processes that support and enhance the professional learning community model used in schools
• A service that does not require new software or hardware and minimal user training

Our service platform is built around a SQL Server and AWS database instances. Student teams will be able to work with various Windows-based software packages: Alteryx, Microsoft Teams, Visual Basic and Outlook API's. Most importantly, students will be working for a recently funded project that was part of the ASU Venture Devils program - which will give them direct access to mentoring if they wish to develop their own student venture.

Deliverables: Each time is expected to deliver external and internal specifications for their assignment projects along with working prototype (i.e. solution implemented with a test environment). The project team should expect to meet with faculty lead on a weekly or bi-weekly basis. Student teams will have direct input on specifications and deliverables as part of this learning experience/collaboration.

Desired Backround: 1. Knowledge and proficiency in computer software design.
2. Ability to utilize and leverage on or more of the following programs: Alteryx, SQL Server, Microsoft Teams, Visual Basic, Outlook Application Program Interface, and Amazon Web Services.
3. Degree or pursuing a degree in computer science or engineering.

Required Agreements:

- Non-Disclosure Agreement
- Intellectual Property Agreement

Additional Materials: Company Executive Summary: https://a3275318-0f21-483c-870e-9926501bdfab.usrfiles.com/ugd/a32753_9d5a85c8290344cc8cec54817d0b06bc.pdf