

Hello University Friends and Colleagues,

As I have done for the last dozen years, it is time again for me to solicit proposals for the CIS 432 Senior Professional Project class for Spring 2023. The projects we are interested in identifying are those that will challenge the students to use most, if not all, of the skills and knowledge they have gained during their education here. During the semester, the students will work in teams of 3-4 individuals. Their task will be to understand the organization for which they are working, to identify the specific operational issues the organization has, and to define the solution requirements their client has for addressing the issues identified. Once this is accomplished, the team then designs a workable solution, creates it, and implements it to the client's satisfaction. As you can see from these requirements, the class projects need to be substantial enough to require a full semester to complete and to provide the students with a complete learning experience.

Therefore, if your department, or any organization you know of (non-profit or for-profit), has an information need, not limited to technology-based, that our students may develop a solution for, please contact me with a brief description of the project and why it is needed. Based on the current enrollment, I expect that the class will require 6-7 projects this semester.

In addition to the types of projects we have undertaken in the past, this year we particularly interested in identifying significant projects related to IS/IT and/or organizational security and/or protection of client data and confidential information.

Examples of past projects completed include:

- Pueblo Arts Alliance (2022): Create a donor and member tracking system.
- C&O Windows (2022): Create an inventory management system.
- Cyphr.me (2022): Assist local startup to expand the functionality of its' product.
- Pueblo House (2021): Analyze current technologies and develop plan to improve performance.
- Pueblo Zoo (2021): Perform a complete analysis of system security and develop plan for upgrades.
- Pueblo County Government (2021): Develop a system for processing funding requests from local organizations.
- Steelworks Center of the West (2020): Create a system for cataloging and searching information about museum collection items.
- Pueblo Board of Water Works (2020): Create system to improve new operating system process.
- Pueblo Cooperative Care Center (2020): Create a donor tracking system.
- Pueblo Rape Crisis Services (2019): An upgrade to their data gathering and reporting generation process.
- Pueblo Diversified Industries (2019): A push notification system to improve stakeholder communications.
- Pueblo Hispanic Education Foundation (2019): A tool for students to apply for scholarships and staff to administer the process and make awards.
- A Caring Pregnancy Center of Pueblo (2018): A complete update of their IS/IT system.
- Pueblo Diversified Industries (2018): A client work hour tracking system.
- Parkview Medical Center (2018): An easily updatable mobile phone application to replace a document-based appropriate procedure listing for emergency physicians.
- Colorado Governor's Office of Information Technology (2017): A system to manage statewide user access to applications.
- Southern Colorado All-Hazards Region (2017): A system to facilitate collaborating on and sharing public safety and emergency management information.
- Parkview Medical Center (2017): A mobile facility navigation application for hospital patients and visitors.
- YWCA of Pueblo (2016): A donor/volunteer tracking system.

- The McClelland School (2016): Perform a complete IS/IT system analysis and develop a comprehensive infrastructure upgrade plan.
- Westwind Wood Specialties, Inc. (2016): A update to their production control system.
- Pueblo City-County Library District (2015): A complete overhaul and update of their archival management system.
- Sangre de Cristo Hospice & Palliative Care (2015): A new electronic device inventory management system.
- Pueblo Community Soup Kitchen (2015): A system to track donors, donations, and volunteers.

We in the CIS department will be screening the projects and will make decisions about their inclusion in the class by the end of the semester.

I look forward to hearing your ideas. Please reply to this message by clicking on this link: [rick.huff@csupueblo.edu](mailto:rick.huff@csupueblo.edu).

If you have any questions, please feel free to contact me.

*Respectfully,*

*Dr. Rick Huff*

"If we did all the things we are capable of,  
we would literally astound ourselves."  
-- Thomas Edison, American Inventor

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