

## Advanced Manufacturing

- ⇒ Help develop an interactive presence for Maker Faire Milwaukee. Modify or build upon the previous year's activity to develop an engaging activity for ages 6-60.
- ⇒ Create an engaging community experience that markets, appeals and encourages a wider community to use the Center for Design and Innovation.

## Biomedical Solutions

- ⇒ There are online healthcare platforms available today that connect doctors with patients virtually. How do you solve the problem of doctors knowing only what the patient divulges and not being able to perform any tests themselves? Identify a disease or group of diseases and create an at-home solution that can link with a healthcare app or platform to aid in the diagnosis and prescription of treatment.
- ⇒ One of the most challenging parts of designing a healthcare product is identifying the users' needs correctly and translating those into measurable outcomes. Choose a healthcare product that is currently poorly designed and create a solution that better fulfills the users' needs. Design and execute usability testing to ensure that your solution is designed iteratively with the users in mind.

## Business Analytics

- ⇒ Interview key stakeholders regarding a monthly product release process that has become time consuming and complex. Document and analyze the current process and optimize the process for the future.
- ⇒ Identify and understand what factors lead patients to leave a given medical facility. Identify opportunities for improvement or care redesign using human centered design thinking.

## Engineering Foundations

- ⇒ Improve the electrical energy efficiency of a water reclamation facility aeration system by at least 10% with no more than 10-year pay back.
- ⇒ Explore and ideate on concepts and the challenges for implementing AI technology in procurement processes.

### Global Business

- ⇒ During construction site planning, project managers often don't take time to plan for effective site signage because they lack a process, tools and knowhow for them to do it efficiently, resulting in lost opportunities for name and brand recognition in communities where we have projects each day. phone call. Show care, seek clarity.
- ⇒ Communication and marketing of health, safety and environmental initiatives. Help determine ways to get the word out on all the things a local business is doing in the community.

### Media Solutions

- ⇒ Plan and develop a social media campaign that showcases a local business's impact on its community and employees.
- ⇒ How can a local branch of a nonprofit organization leverage social media to better inform the community of their work and mission?

### Medicine & Healthcare

- ⇒ Many people have trouble finding child care to attend their own doctor appointments. How can a health care facility assist with child care to make the experience more stress free?
- ⇒ Determine ways that a health care organization can better serve the LGBT community