

**Collaboration
for the Win!**

LCTCS Conference Presentation
Gerry Caskey and Alicia Kiremire
9/27/19





LOUISIANA DELTA
COMMUNITY COLLEGE



DISCLAIMER & USAGE

- This material is based upon work supported by the National Science Foundation's Advanced Technological Education Program under Grant No. 1801177.
- Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

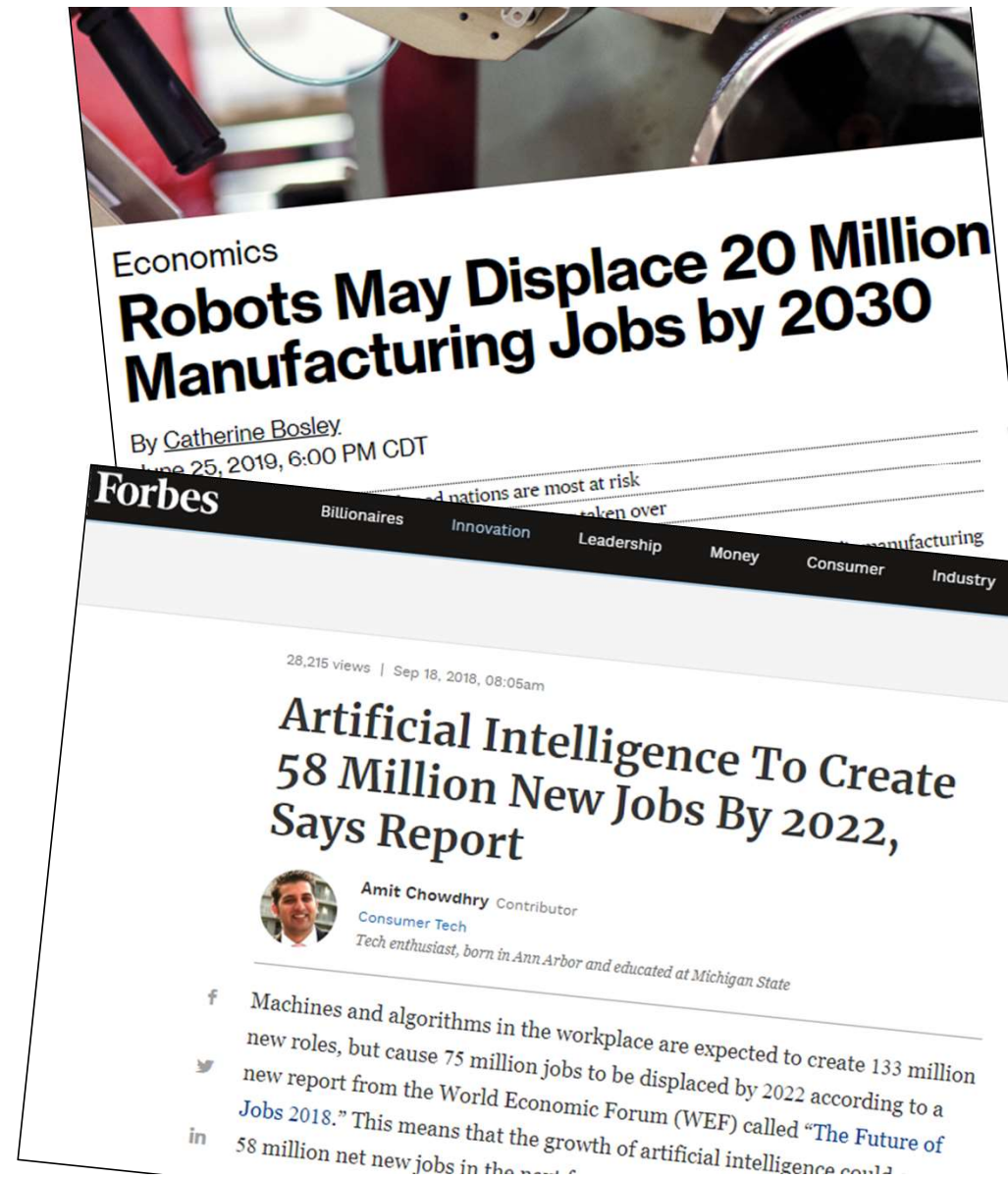
Overview

- Our story
- Project COMPLETE
- Why pursue a grant?
- Why pursue collaboration?
- Where can you find ideas?
- Successes & challenges
- Q&A



Our Story

- Needs we saw
 - Changes in manufacturing industry and workforce
 - Need for more knowledge in **instrumentation and controls**
 - Louisiana students unaware of and/or unprepared for career opportunities



- COMPLETE -

Our Story

- Partnership between Louisiana Delta Community College and Louisiana Tech University
- Hired a contract grant writer / project manager (FlowStream Management)
- National Science Foundation ATE Program
- Nearly \$600K over five years





Project COMPLETE

Our mission statement is to...

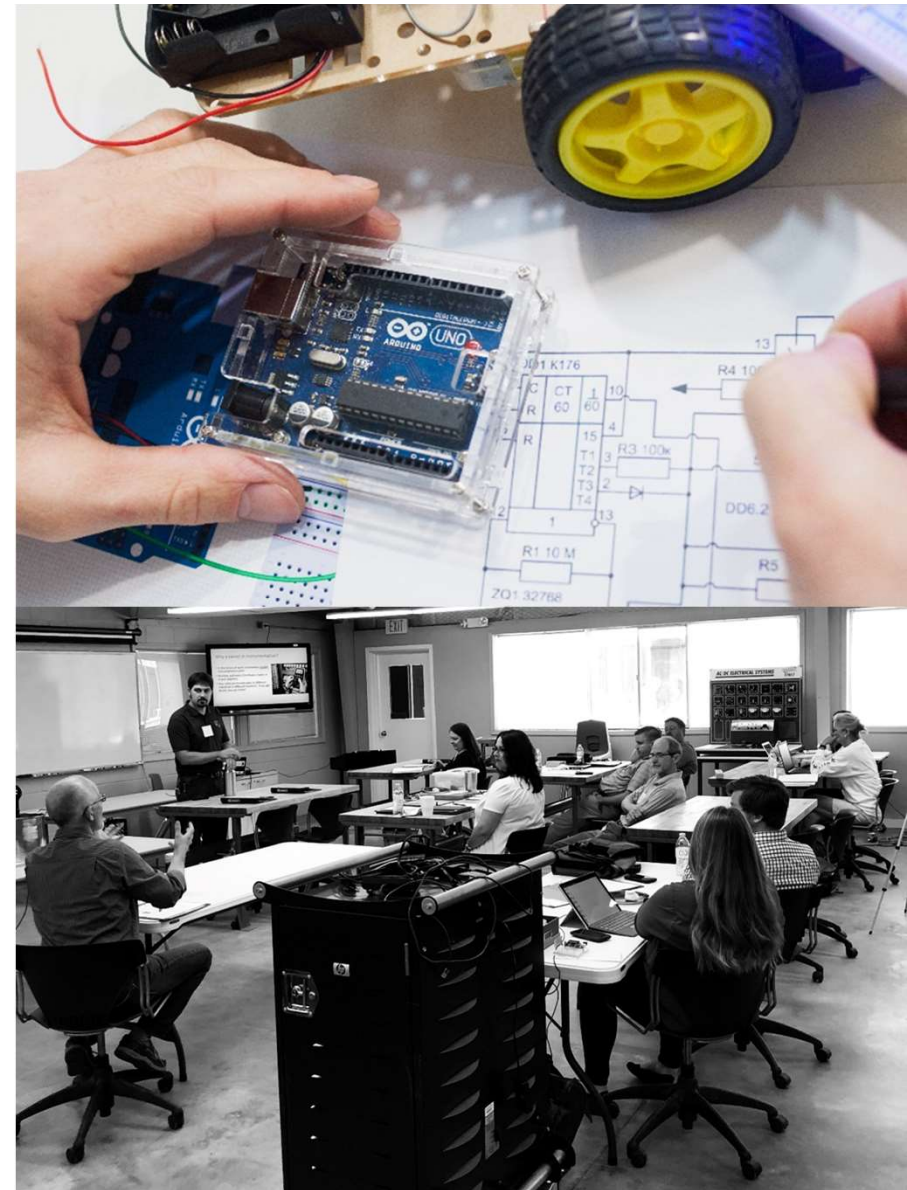
prepare and connect potential laborers to industry needs in order to grow the region's economy.

We will expand instrumentation workforce pathways for 500 high school students in North Louisiana.



Project COMPLETE

- How we're meeting the needs
 - Hands-on, project-based high school curriculum
 - Dual enrollment agreements
 - Workshops for high school teachers and counselors
 - Industry field trips
 - Scholarships



Take 5!

What about you?

Your grants, partners?



Why pursue a grant?

- Tight state and college budgets
- Opportunities to make a difference
- Benefits for students' lives AND industry partners' workforce!



Why pursue collaboration?

- So you don't have to do everything yourself
- Partner strengths can work with your weaknesses
- Partners might have good ideas for projects



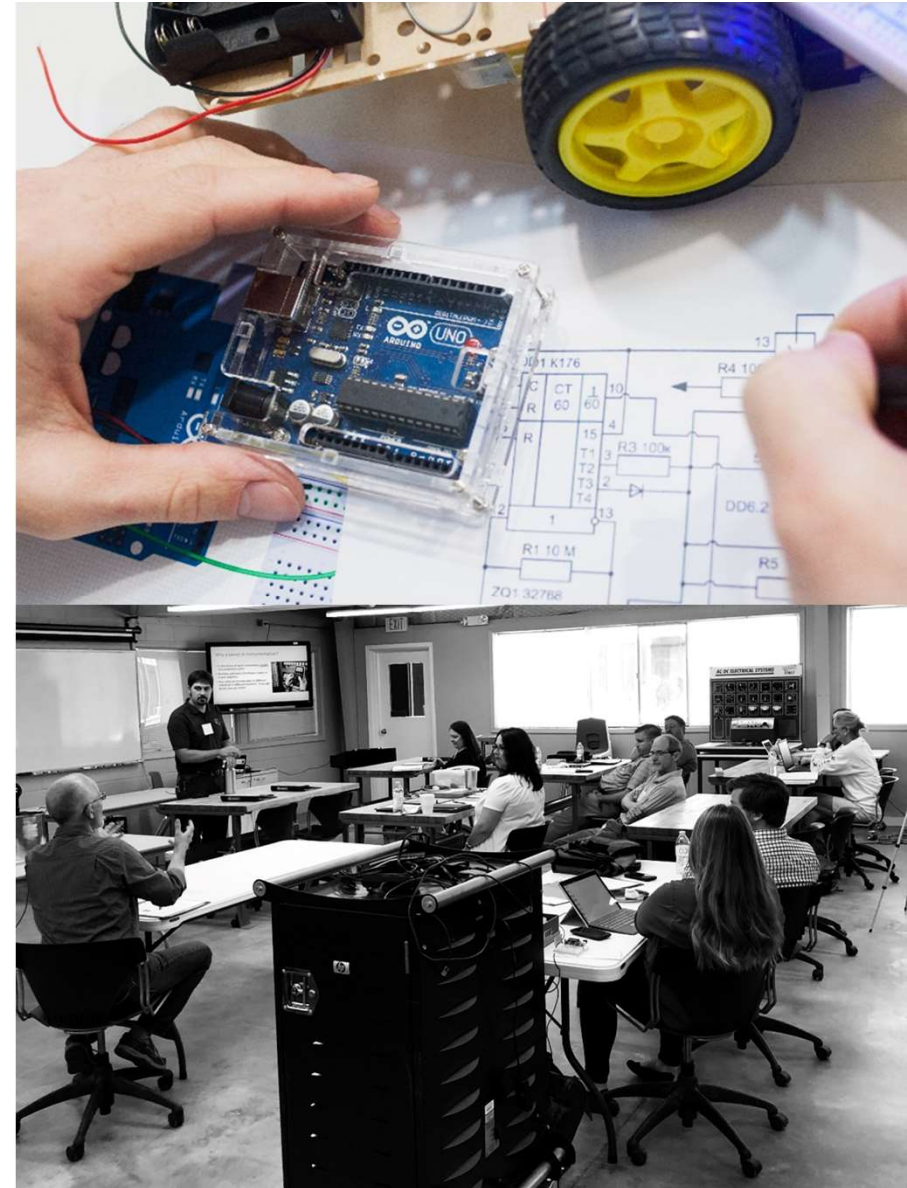
Where can you find ideas?

- Ask your partners!
- Look for ways to **increase access** to STEM education
- National Science Foundation – subscribe to email updates!
 - Advanced Technological Education (ATE) Program
 - Improving Undergraduate STEM Education (IUSE)
 - STEM + Computing Partnerships (STEM + C)
 - Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM)
 - Louis Stokes Alliances for Minority Participation (LSAMP)
 - Historically Black Colleges and Universities Undergraduate Program (HBCU-UP)
 - Discovery Research PreK-12 program (DRK-12)



Successes

- Completed Year 1 of the grant
- Learned culture and working styles of “main” partners
- Hired Coordinator
- Established partnerships with high schools, school districts, and industry advisors
- Developed curriculum, held first teacher/counselor workshop



Year 1

7

high schools

6

industry
advisors

14

teachers/
counselors

150*

high school
students



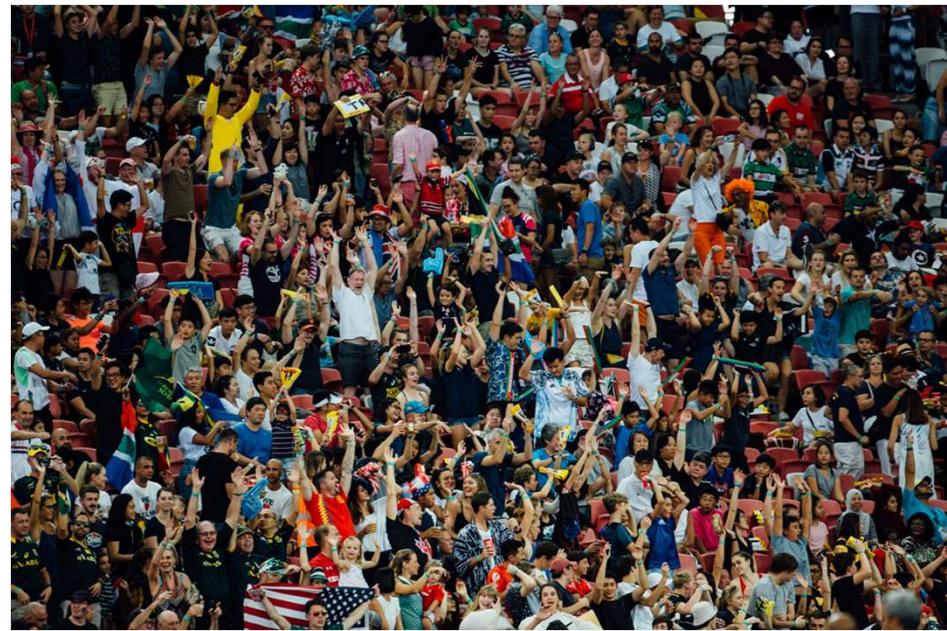
Challenges

- Different backgrounds/policies on grants between community colleges and universities
- Faculty and staff turnover
- Credentialing high school teachers
- Setting up a new grant project **takes time** the first year!

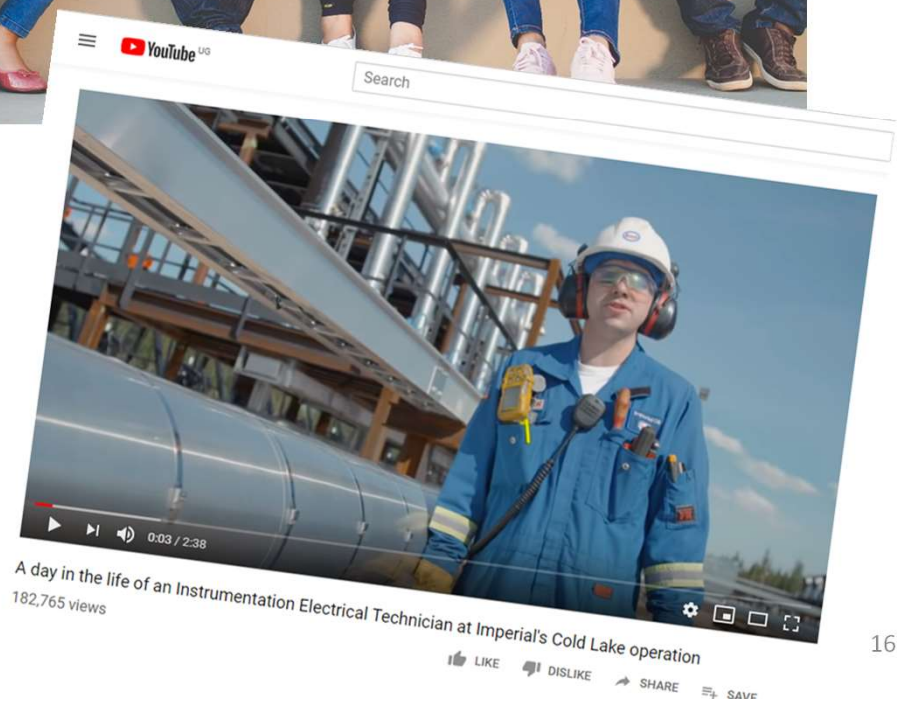


Formative Feedback

- Teachers want more technical support
- Counselors want more integration support
- Industry wants more involvement
- Everyone wants more communication
- Our team needs better-defined roles and improved accountability



But it's
worth it!



Q & A

www.completepathways.com

