

# BRIDGING THE SKILLS GAP IN SMART MANUFACTURING THROUGH A NEW TECHNICIAN EDUCATION PROGRAM



## 2022 Smart Manufacturing Technology Summit Professional Development Event

August 4, 2022 8:30 a.m. – 1:30 p.m.  
Held at Marion Technical College

8 attendees which included  
instructors from local career centers



## What was covered at the one-day event?

- Industry keynote speaker – Ohio Health Site Supervisor, Clinical Engineering
- Two breakout sessions
  - Engineering: Smart robot kit assembly and control
  - IT - Raspberry Pi/Python coding hands on activities
- Overview of Smart Manufacturing online Hub platform created to share resources, discuss pathways etc. with high school instructors and administrators
- Attendees had the opportunity to take back robot kits to try out in their classroom.



### ENGINEERING TRACK ACTIVITY

	STRONGLY AGREE	AGREE	UNSURE
I would've liked to participate in both tracts: IT + Engineering.	75%	25%	0%
The time allocated to work through the hands-on activities was sufficient.	50%	50%	0%
I had enough background knowledge to carry out the activity and required analysis.	25%	50%	25%

### THE HANDS-ON ACTIVITY BROADENED MY UNDERSTANDING OF:

	STRONGLY AGREE	AGREE	UNSURE
Industry robots & their components	50%	25%	25%
Where and how to implement this activity into the curriculum	50%	25%	25%
Wiring & operation of servo motors	25%	50%	25%
Electronic components	25%	50%	25%
Wiring of circuits/electronics	0%	75%	25%



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## HAVE QUESTIONS? CONTACT:

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Or scan the QR code  
for more information

