Wednesday, March 1, 2023  
3:00 p.m. or immediately following  
previous meeting

AGENDA

A. Disposition of Minutes

B. Old Business

C. Committee Item

1. Workforce Education and Innovation Discussion Items

   a. Division of Workforce Education and Innovation Overview
   This overview of the division will touch base on the organizational structure; financial
   standpoint; key projects; and metrics for the area.
   Jennifer Oddo, Vice President Division of Workforce Education and Innovation, will report.

   b. Conceptual Framework Linking to Careers and Degrees
   Jennifer Oddo, Vice President Division of Workforce Education and Innovation, will report.

D. New Business

E. Adjournment
Division of Workforce Education and Innovation
Report to Board of Trustees
March 1, 2023

Agenda Items

- Organizational Overview
- Financial Overview
- Key Project Updates
- KPI's
ORGANIZATIONAL OVERVIEW

The Division of Workforce Education and Innovation aligns Workforce, Education, Research and Commercialization through our integrated WERC@YSU approach to developing in-demand industry skills.

Our workforce and education programs serve YSU students, K-12, companies and community members looking to upskill, reskill or enter into new career pathways. We engage our learners through the online YSU Skills Accelerator and through classroom, hybrid and experiential learning at any one of our training centers.

Through partnerships with the YSU Research Foundation (YSURF) and Small Business Development Center (SBDC), students can participate in our integrated research and commercialization initiatives, supported through industry and government led projects.

Our Training Centers

Excellence Training Center (ETC) at Kohli Hall: This 54,000 state-of-the-art advanced manufacturing technology center is located on Main Campus and is equipped with over $15M of advanced manufacturing and research equipment. From additive manufacturing to industrial electronics and leading the way in advanced robotics, the ETC serves students and industry in developing in-demand capabilities.

Jackie Ruller, Director

National EV Training and Innovation Center: This national center, to be located in Lordstown, OH, is under development with Foxconn with support from General Motors and Ultium Cells. The first of its kind this center will focus on advancing workforce, education, research and commercialization for EV’s. This center will serve industry, academia and workforce leaders across the country in helping to advance emerging skills and innovation.

Jennifer Oddo, Interim

IT Workforce Accelerator at Silvestri Hall: Established through industry partnerships with IBM, WIA, Cisco and others, the IT Workforce Accelerator now delivers in-demand IT skills training around software development, cybersecurity, cloud, artificial intelligence, networking and telecommunications.

Lindsey Ekstrand, Director

The Data Mine: An on-campus learning community established in partnership with Purdue University and in collaboration with the College of STEM. YSU students, from any major, study the science of data while applying their knowledge to real world company sponsored projects.

David Janofa, Interim

Williamson Innovation Park: Located just south of campus, this 220-acre open air research park will be used by YSU students and area K-12 students to launch their STEM projects for engineering, biosciences, aviation and more! (opening July 2023)

David Janofa, Interim

James P. Tressel Institute of Leadership and Teamwork: The James P. Tressel Institute for Leadership and Teamwork will empower students, community leaders, and business directors to make a meaningful difference wherever their paths take them. The institute will provide courses, workshops, guest speakers, and more to prepare students and participants to become strong, impactful leaders.

Jenna Binsley, Manager
Division of Workforce Education and Innovation
Organizational Chart

E TC @ Koli Hall
Program Manager, Prototyping
Program Manager, Industrial Maintenance
Engineering/Facilities
Coordinator, Skills Acceleration

IT Workforce Accelerator @ Silverth Hall
Program Manager, IT
Program Manager, Networking and Telecommunications
Instructor, Networking and Telecommunications

Williamson Innovation Park
Program Manager, TES

The Data Mine
Program Manager, TES

Workforce Partnerships and Programs
Director, TES

Regional Operations

Division of Workforce Education and Innovation
Jennifer Dale

National ETV Training and Innovation Center
Executive Director, TES

James T. Prater; Leader for Learning and Excellence

Business Development

Grants Development

Finance and Operations

Marketing and Communications

Division Support

Systems

Apprenticeships

Students
## DIVISIONAL FINANCIAL REPORT

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<th>Account Title</th>
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<th>Adjusted Budget</th>
<th>Year to Date</th>
<th>Encumbrances</th>
<th>Available Balance</th>
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### Excellence Training Center

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<th>Year to Date</th>
<th>Encumbrances</th>
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Total Consolidated                  | 15,375,921        | 2,260,097       | 1,400,029    | 11,715,795   |
KEY PROJECT UPDATES

Project: Foxconn EV Academy powered by YSU

Project Overview
The EV Academy will serve as a National Hub to help the emerging electric vehicle industry build and scale a sustainable workforce around advanced manufacturing, energy storage and other integrated technology solutions, such as artificial intelligence, 5G and cybersecurity. The goal is to bring together industry, academia and government under a connected open source approach to share resources, best practices and programs to serve the workforce needs with greater agility.

Phase 1:
- 2 buildings totaling 25,000 square feet
- Foxconn owns the buildings, YSU will operate within the buildings
- YSU will own and operate the digital footprint
- Initial Skill focus: Electrical/Electronics, Electric Charging, Industrial Maintenance, Robotics, Automation, Other TBD
- GM/Ultium support leveraging GM Community Investment for training and innovation center
- Formal MOU in process

Phase 2:
- Expansion to meet demands of Foxconn, Ultium and ecosystem needs.

Activities:
- Faculty Roundtables with Foxconn engineering teams
- Divisional meetings with Foxconn leaders to assess skills needs
- EV Conference in planning phases for late Summer 2023.
Project: Silvestri Modernization

Project Overview:
Divisional Offices, the IT Workforce Accelerator Training Center and the Tressel Institute for Leadership and Teamwork will be moving in a phased approach to Silvestri Hall. Full move to be completed by start of Fall Semester 2023. Funding, totaling $225k for renovations, provided by the division leveraging proceeds from external initiatives.

Project will expand capacity to 6+ training rooms, convening space for 50+ participants and more connected access to YSU Students and the community. Additionally, the IT Workforce Accelerator will have an increased focus on developing a center for information technology workforce training programs.

Programs under development:
- Computer Programming Fundamentals
- Networking and Telecommunications
- Agile and Design Thinking
- Big Data
Project: YSU Excellence Training Center awarded $500K grant to serve students with disabilities

Project Overview
Youngstown State University’s Excellence Training Center, in collaboration with the Columbiana County Board of Developmental Disabilities and Columbiana County Educational Service Center, has been awarded a $500,000 grant to increase the participation in and attainment of industry-recognized credentials and apprenticeships for students with disabilities.

The project through the Ohio Department of Developmental Disabilities-Pathways to Careers-Improving Post-Secondary Education Options for Students with Developmental Disabilities focuses on current high school seniors and those who graduated in the 2020, 2021 and 2022.

The initiative is designed to assist those individuals in accessing post-secondary education, training or apprenticeships.
Project: YSU Student Projects

(1) **Google Dashboard Control** - Students are researching the narrative of the region using tools like Google, ChatGPT and Twitter tone analyzing software. The students will also develop strategies and recommendations on how we can create a more appealing digital footprint for the region.

(2) **YSU Data Mine** – The Data Mine in collaboration with Purdue and YSU College of STEM Math Department have launched its second semester with an additional 12 students. 14 students participated in Fall 2022 and received 4 credits each. Through support of DWEI and our corporate paid sponsor NUVVE, students and faculty will be attending Purdue’s Data Mine Symposium with West Lafayette, IN, later this Spring.

The program currently has two projects:

(1) Nuvve – Electric Charging Station Data Project
(2) Central Insurance of Ohio – Social Media Data project

The goal for Fall 2023 is 4 additional corporate sponsored projects with 25 students across all disciplines.

(3) **Regional Repopulation Study** - Professor Sumell and his Urban Economics course will guide Spring semester class to identify repopulation strategies for the Mahoning Valley including retention of current population and attraction of new residents to the area. They will also survey YSU student body to better understand the driving forces in keeping our students in the region.

(4) **Research Report on 4- and 2-year higher education credentialing programs** – YSU Students evaluating IUC and OACC schools to determine scope of their credentialing programs as compared to YSU DWEI. Additionally, students are researching national exemplary institutions to assess programs and best practices.
Key Performance Metrics

The Division is currently making changes to its systems to better collect KPI data for each training center. Expected completion of this new reporting will take effect July 1, 2023.

Divisional Enrollments – All Centers

Skills Accelerator Analytics

<table>
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<th>Total Course Enrollments</th>
<th>Total Credentials Earned</th>
<th>Total Registered Users</th>
<th>Total Active Learners</th>
</tr>
</thead>
<tbody>
<tr>
<td>10514</td>
<td>7705</td>
<td>3658</td>
<td>3344</td>
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</table>

- 73.28% CR
- 5.60% MoM
- 8% MoM
- 91.4% AU
- 34% MoM

Industry Recognized Credentials: 203
Digital Badges: 2673
Certificate of Completion: 4347

Course Enrollments by Month

Active Learners by Month

YOUNGSTOWN STATE UNIVERSITY
Excellence Training Center

4454+ PEOPLES
The Excellence Training Center has hosted 70 different events that have brought in over 4000 people since the Grand Opening.

149 COMPANIES
Throughout the Mahoning, Trumbull, Columbiana and multiple neighboring counties, 149 companies have come through the facility to see how they could potentially work with the ETC.

1562 STUDENTS
More than 1500 students from area schools have toured the ETC exploring STEM degree opportunities available at YSU.

December 2022 Overview

Events Since Last Report

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<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Event Type</th>
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<td>YSU</td>
<td>Class CC546</td>
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<tr>
<td>12/29/22</td>
<td>Industrial Roundtable for Mfg</td>
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<td>12/30/22</td>
<td>STEM School Visit</td>
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<td>1/3/23</td>
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<tr>
<td>2/1/23</td>
<td>Rockwell Automation</td>
<td>YSU</td>
<td>Class CC546</td>
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<td>2/1/23</td>
<td>EDA Visitation Day (150 Visits)</td>
<td>YSU</td>
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<tr>
<td>2/2/23</td>
<td>Rockwell Automation</td>
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204 CREDENTIALS
Issued at the ETC
79 Industry Recognized Credentials
125 K-12 Credentials

MORE THAN 1085
Students have taken classes at the ETC
The ETC has held 16 Credit Courses and 15 Workforce Development or Non-credit courses
Active Learners by Area of Focus

Active Learners by Area of Workforce Education

Course Enrollments by Affiliation

Course Completions by Affiliation

Course Enrollments by Grant

Course Completions by Grant

Gender Distribution

Ethnicity Distribution

Workforce Education Highlights