

To: Engineering Design and Manufacturing Technology Advisory Archives
From: Meredith Vanderhill
Subject: Minutes of November 22, 2019

Members Present: Jon Blain, Dan Branch, Dave Brock, LaJoyce Brooks, Larry Byers, Rick Garthe, David Jarl, Mitch Keil, Bill Kring, Diane Long, Jesse Mayes, Chris Orlowski, Patrick Quigley, Martin Smith, Dale Steinfeld

Recorder: Meredith Vanderhill

1. Greetings and Introductions
 - a. Call to order – 12:34pm
2. Minutes of April 26, 2019 were reviewed and approved.
3. Program updates for Fall 2020 and Winter 2020 enrollment
 - a. Brock reported that over all, KVCC's enrollments are down but EDMT and the other trades programs are either flat or up.
 - i. There has been a lot of exposure lately including the Industrial Trades Expo which had an attendance of around 800 people. Brock shared that there is already a date picked for next year and that there will be a VIP option added.
 - b. Kring reported that they are still flat for next semester as of right now but are hoping to see an uptick shortly. No classes have been canceled.
 - c. Merging Machine Tool and Drafting programs has proved to be successful.
 - d. Brock and Kring have been travelling to different high schools including Gull Lake, Schoolcraft, Vicksburg and Portage to speak with students about KVCC's Programs.
 - i. Recently invited to attend a career event at Portage Northern High School.
4. Capital equipment
 - a. Last year
 - i. Purchased 5th Axis machine and an Amatrol Trainer and XRF Analyzer.
 1. XRF analyzer emits high power x-rays and is used to analyze metals in a matter of seconds. It was bought in conjunction with the chemistry and geology departments for \$50,000 and has proven to be a great teaching tool for students. Dave passed around different metals and showed a quick example.
 - b. Next year
 - i. Putting in a request to improve our additive manufacturing capability for a 3D printing that prints metal costing approximately \$250,000
 1. Brock Passed around an example of 3D printed metal.
 2. The group came to consensus that this is a smart purchase and that this is the way the industry is leaning.
 - ii. Blain shared that we should also look into a desktop water jet for approximately \$20,000 which can cut just about any material.

5. Old Business
 - a. EDMT Course offerings
 - i. Kring attended a Metrology training in Wichita, KS and hopes to incorporate a metrology training course into the EDMT program.
 1. Proposing an 8 week course in the summer.
 2. This will be a hands on training course with a focus on hand tools.
 3. Discussion surrounding replacing GD & T with this course so it goes towards the students program.
6. New Business – Round table reporting
 - a. Mayes reported that – High school level numbers are up and that the students are seeking out KVCC. Approximately 1/3 of his students are coming to KVCC. There has also been a trend away from “Project Lead the Way.” There were advantages such as students getting exposure to STEM related fields but it is not sustainable.
 - b. Branch shared that they were down year in software based on unknowns in the automotive industry. The Long range forecast looks good and should ramp up.
 - c. Stein expressed that it was an under prediction/flat line for the year. Companies are just waiting.
 - d. Keil reported that discussions surrounding the “Essential Studies Review” will be coming.
 - e. Byers shared that business is good. Hot spots are 5th axis for the tool & die industry and making tiny parts.
7. Kudos
 - a. Congratulations to Larry Byers on his new facility.

Meeting adjourned: 1:43pm