

Advanced Manufacturing Technology Advisory Committee Meeting

Date: April 4, 2023

Time: 12:00 pm – 1:00 pm

Place: Zoom Meeting

Members in Attendance: Mike Maendle, Tim Graham, and Ray Esch

SRJC Faculty/Staff in Attendance: Benjamin Goldstein, Jesse Kosten, Bill McCracken, Jimmy Parker, Kim Kinahan, Ann Mansfield, and Mackenzie Galindo

Was Quorum met: YES

Welcome/Introductions: Introductions were made.

Approval of last Meeting Minutes: Approved as submitted.

Announcements:

ITT is hosting a job fair on April 24, 2024, from 11 am -1:30 pm, in the SRJC Lounibos compound. Flyers were distributed with event details. Industry was invited to participate in the event.

The 9th Annual Celebrate CE (Career Education) event will be held on Friday, May 24, 2024. Industry was invited to attend this event. CE would like to invite SRJC alumni to speak at the event.

OMW Corporation purchased a manufacturing building in Petaluma. OMW works with SpaceX, Blue Origin and Amazon. Bill has been working closely with OMX helping to provide them with employees. They are looking at possible AMT student internships in quality over the summer.

Industry Updates:

Protofab – Business at the end of 2023 and beginning of 2024 was pretty soft but didn't have to lay anyone off. In February business started to pick up and is now running consistently.

Keysight - Colorado Springs shop is up and running. Overall business is on the downside and not expanding as quickly as they planned. A lot of new product generation is going on during this downtime, but not a lot of hiring.

Medtronic – Right now Medtronic is on a hiring freeze. Business has picked up. The new buildings up on Fountaingrove have been completed. They are waiting for the last permits from the city before firing up the machines.

Program updates:

AMT Spring 2024 Class enrollment is at 123%. The SRJC campus-wide is at a fill rate of 87%. Program is bouncing back from Covid. AMT could add more classes but does not have the faculty to instruct them.

Approximately Fifty percent of AMT students are currently employed and working locally.

This Spring approximately 14 AMT students are completing the program, and are either getting their Advanced Manufacturing Degree or Certificate.

Advisory committees are now only required to meet once per academic year. Quorum must be obtained for meeting to be counted towards eligibility of Strong Workforce Program grants along with program viability and community engagement. More meetings can be planned if needed.

The current Advisory Members have agreed to stay on the committee for 2024-2025.

With funds from the Strong Workforce Grant (SWP), AMT has purchased and installed a new Universal Laser Systems 60w CO2 laser cutter and engraver. It complements the 3D Fablight 4500w metal laser machine. Students are using both of these machines in their capstone class.

Through the SWP Grant, AMT purchased a Laser Induced Breakdown Spectroscopy (LIBS) handheld analyzer. The analyzer identifies all of the elements and carbon content in a metal sample. Industry partners are welcome to bring samples to SRJC if needed for testing. Bill gave a demonstration of how this equipment works.

With SWP Grant funds, AMT was able to spend \$80,000 on stand-alone toolboxes for each machine. Each workstation contains all the tools students will need to complete required projects. This assists the students by allowing them to complete their projects in a timely manner.

For the next round of SWP, AMT put in one request for a Keyence LM-X inspection machine. Keysight is currently using this machine in their shop.

SWP has funded a project manager for the AMT program for the 2023-2024 semesters. Nick Melanson, who is a student finishing his AMT degree this semester, was hired for this position. This funding will end at the end of the Spring semester. This position helps with student safety, answering questions, and lab prep.

The AMT shop inspection clean room has been completed and is now climate controlled. This is located in the former grinding room. A wall was removed to increase the room size. The room has been cleaned, painted and a soft floor installed.

AMT has received \$12000 from the Gene Haas Foundation and has been awarding \$500 scholarships to students in the AMT program.

AMT is still in need of associate faculty. A few candidates have applied, but only one met the minimum qualifications. To help candidates who do not meet minimum qualifications, there is a possibility of requesting HR to set up Equivalency Workshops that would run once a semester.

Next meeting will be in Spring 2024, date and time TBD.

The meeting ended at 12:40 pm.