# Manufacturing Technology and Industrial Maintenance

# Advisory Board Meeting Minutes

November 18, 2022

1. Call to order

**Erik Hanson** called to order the regular meeting of the **Manufacturing Technology and Industrial Maintenance Advisory Board** at **12:06 pm** on **November 18, 2022,** in **Room CAT-001a**.

1. Introductions of those in attendance

Maiknue Vang – Madera Workforce Development Board

Erick Flores – Madera Workforce Development Board

Rozanne Hernandez – SCCCD

Tara Kaitfors – SJVMA

Brad Perry – JBT Corp

Mario Persicone – PNM Machining (Dr. Seth proxy)

Dan Riley – Steel Structures

Dr. Balaji Seth – CSU Fresno

Erik Hanson – Madera CC

Michael Luchesi – Madera CC

Elizabeth Mosqueda – Madera CC

1. Approval of Spring 2021 minutes

Mr. Riley motioned to approve the minutes from the Spring 2022 advisory committee online survey. Mr. Perry seconded the motion. Motion carried unanimously with 10 ayes, 0 nays.

1. Overview of Advanced Manufacturing Program at MCCC
   1. Mr. Hanson spoke on the Industrial Maintenance program in the Center for Agriculture and Technology, including all Certificates and Associate degrees offered in both Manufacturing Technology and Industrial Technology.
      1. All courses in person, with COVID restrictions lifted.
      2. OSHA-10 cards earned by the students
      3. Updating 7-unit Maintenance Mechanic local Certificate program to 12-unit Certificate of Achievement, to be approved during the Spring 2023 meeting.
   2. A vote was taken to approve the Industrial Maintenance Technician Certificate of Achievement and Associate degree Programs of Record. Mr. Riley made a motion to approve the IMT programs as written. Mr. Perry seconded the motion. Motion carried unanimously with 10 ayes and 0 nays.
   3. Mr. Riley provided suggestions for the new IT-60 course, including TIG welding.
2. Guided Pathway Maps
   1. Review of existing Manufacturing and Industrial Technology guided pathway maps.
      1. Discussed removal of NIMS ITM third-party credential. Ms. Kaitfors asked for a copy of the ITM credential to send to employers to see if it would be of value to them.
      2. Mr. Riley spoke on AWS credentials as a step to get an interview at Steel Structures but will certify to their requirements upon employment, as with most companies hiring welders.
      3. Dr. Seth talked about print reading and documentation meeting I4.0 standards. Speaking for Mr. Persicone, PNM is in the process of transitioning to I4.0 standards, including ISO protocol.
      4. Mr. Luchesi talked about how metrology equipment, classes and GD&T standards meet the I4.0 standards.
      5. Hanson brought up a 2-unit Applied Mathematics course as a requirement for future manufacturing programs at Madera Community College once we are our own separate college. It was received by the committee with a resounding YES!
   2. Ms. Hernandez and Ms. Vang stated that they would be able to provide data such as pay and job demand for each of our pathways, above what our MCC data analyst and Onet might provide. The Central Mother Lode region will be identified.
3. Manufacturing Day
   1. Ms. Kaitfors brought up Manufacturing Day and if MCC participated. Mr. Luchesi explained that MCC hosted seven local high schools for tours of all shops and had a lengthy sit-down presentation of what MCC could provide for incoming students. The Madera County Office of Education changed the name from Manufacturing Day to Career Exploration Day. The Board emphatically recommended that Manufacturing Day be reinstated in 2023, making sure that high schools visit local industry prior to coming to MCC. October is Manufacturing month. Mr. Riley commented that we can plan Manufacturing Day 10 years in advance, knowing that it is always on the second Friday of October.
4. Grant Funding
   1. Identified major equipment purchased since March 2022 through Strong Workforce and Perkins funds, for both machine and maintenance shops. Dr. Seth spoke of the mobile demonstration shop we are planning to build to take on the road for recruitment of high school students at college fairs.
   2. Mr. Luchesi again spoke of the new Metrology and CAD/CAM courses, utilizing the new state-of-the-art equipment grant funds have purchased over the last 6-8 months. Ms. Kaitfors suggested that once the Metrology program is fully operational, SJVMA can publicize with its’ clients to let them know that there is a program available in the central valley for precision measurement and predictive analytics. She also mentioned the job posting board on the SJVMA website.
5. Instructional Needs
   1. Mr. Hanson and Mr. Luchesi spoke of Madera CCC needing a new full-time welding instructor to fill the void left by Mr. Hanson as he moves into the Industrial Maintenance Technician instructor role. We have lost our two adjunct welding instructors in the last year, creating a void that Hanson & Luchesi cannot fill due to welding not being the focus of past careers. A request for new instructor was sent to the College Council for approval and then that recommendation sent to the college president for final decision. The decision should be made within the next week.
   2. Ms. Vang spoke of the Regional Equity and Recovery Partnership (RERP) grant, that will help fund two cohorts of students through the Industrial Maintenance and Welding programs.
   3. A vote was taken to approve the Program Outline of Records for the new Metrology and CAD/CAM Certificate of Achievement and Associates degrees. Mr. Riley made a motion to approve the two programs as written. Mr. Perry seconded the motion. Motion carried unanimously with 8 ayes and 0 nays (Drs. Mosqueda and Seth left prior to the vote).
6. New Business
   1. Full-time Lab Technician position has been extended through December 7, 2022.
   2. Asked for companies to offer paid or unpaid job experience for outgoing students (MFGT-19V). One unit required in each program (60 hours unpaid, or 75 hours paid). Ms. Vang suggested that the students go through the Madera Workforce as they reimburse employers some of the onboarding costs associated with hiring a new employee. Students would need to meet with the Workforce to verify eligibility for services.
   3. Asked for consumables for the shop, not equipment. Ms. Kaitfors recommended a truck/trailer for metal donations, using grant funding. Should be included in the next round of grant funding.
   4. Ms. Vang – Madera Workforce is unable to sponsor students unless the training programs are on the list. There have been talks with Dr. Srinivasan, Julie Preston-Smith, and Dr. Harris about this. Dr. Hernandez and Ms. Vang will follow up on this. Need to get Ms. Medina-Gross involved, as she knows our programs very well.
   5. Mr. Riley suggested reps from Steel Structures come to Madera for welding demonstrations again (it’s been since before COVID).
7. Next Meeting
   1. The next meeting of the Manufacturing Technology and Industrial Maintenance Advisory Board will be a Friday lunch meeting sometime prior to spring break Spring 2023.
8. Adjournment
   1. Mr. Hanson adjourned the meeting at 1:32 pm.

Minutes submitted by: Erik Hanson, November 20, 2022