



Southern Michigan CENTER FOR SCIENCE AND INDUSTRY

SMCSI CTE ADVISORY COMMITTEE MEETING MINUTES

March 11, 2022 – 12p.m.

In-person meeting at SMCSI and available via Zoom

MEMBERS PRESENT (in-person)

Bill White, Aerospace-Owner
Ron Chinn, Retired Engineer-Volunteer
Tim Smith, GM, GPSC Sr. Operations
Tyler Conrad, Hudson High School, Counselor
Shelly Bruner, Addison High School, Counselor
Alex Czeiszperger, Hudson High School, Student

SMCSI Staff Present

Jeff Webb, Lead Instructor
Dan Rogers, Program Director
Brian Hoard, SMCSI Adult Instructor
Sue Jacobs, SMCSI Admin Asst.
Erika Borck, Secretary
Lance Horwath, Principal
Nancy Jenkins-Arno, Development Director

MEMBERS PRESENT (via Zoom)

Melissa Tsuji, Siena Heights University
Mark Palmer, Siena Heights University
Tim Robinson, LEDC-Director of Ops

MEMBERS ABSENT

John Plelan, Glycon Corp
Jeff Kuhman, Glycon Corp.
Jeff Howard, Glycon Corp.
Mike Gimenez, Nexus Tool Group
Gabrielle Plateis, Elwood Staffing
Gretchen Vondran, Elwood Staffing
Kevin Fite, Methods Machine
Eric Girdham, MRA
Larry Stover, General Broach
Terry Traves, Wacker Chemical Corp.

ESTABLISH CHAIRPERSON

Jeff Webb asked for a motion whether to carry on with the current chairperson, of Bill White or to elect a new chair. There was a motion from Shelly Bruner to elect Bill White to continue as chairperson and a second by Tim Smith motion carried. **Motion passed.**

The meeting was then taken over by Chairman, Bill White at 12:15 p.m.

APPROVED MINUTES OF PREVIOUS MEETING (INCLUDES RECORD OF ATTENDEES)

Bill asked for a motion to approve minutes of our previous meeting and the record of attendees on November 5, 2021. There was a motion from Tim Robinson to approve the minutes and attendees and a second by Tim Smith motion carried. **Motion passed.**

REVIEW OLD BUSINESS

Bill asked if there were any new information on the topic of Drones that we spoke about during the last meeting. Dan updated the committee that we have not found any curriculum for this and there are not any CTE Zip codes currently for this. Dan asked the committee to let us know if they hear of any information on this potential program. Bill added that this is a fast growing industry and very popular for students. Jennifer Mason mentioned there may be something in the VEX program about drones, that she will look in too. Bill suggested looking into the group at Willow Run that is purchasing drone equipment.

PROGRAM UPDATES

Jeff took the time to update the committee about Jennifer Mason receiving the MiSTEM Region 2 Educator of the year award that she received last week. Dan updated the committee about the recent grant CSI received through the MADC. CSI received \$60,000 of the \$90,000 that was requested for a FANUC Robotics Welder. Dan let the committee know that the LISD was in support of using CTE dollars to help fund the remaining cost of this equipment/curriculum. Tim Robinson confirmed that it was a very quick process and was thankful that Lenawee county was able to benefit from this grant. Tim Smith was happy to hear that we were able to purchase this equipment as it is a high demand job right now. Smith mentioned a various amount of open positions at companies he is working with that are in need of workers with this certification. Some of these companies are going bankrupt due to lack of skill. Smith mentioned looking into Grand Valley State University or Ferris State University for students in their graduate program. Jeff updated the committee that students will now be completing OSHA 10 certifications for Mechatronics students.

CURRICULUM OFFERED, COURSES OFFERED, AND SEGMENTS COVERED

Jeff gave the update on the projects the students would be working on this semester such as RuGoldberg devices for the 9th and 10th graders. The 11th and 12th grade groups will be working on building hovercrafts and can crushers. The course syllabus was presented to the committee. Jeff has the course split up into 1st, 2nd, 3rd and 4th year students. First year students will start in the Amatrol certifications (Measurement tools, CAD/Solid works, Print Reading) after they complete these trainers, they will complete a project that involves these 3 trainers. They will then move on to Mechanical Fab, Hand tools, Pneumatics, and Applied Mechanisms. Second year students will be doing FANUC robotics (12 students completing FANUC certs), Hydraulics and Pneumatics. Third year students will work on CNC machines. The goal for our 4th year students will be to join a coop or work shadow someone in the interested industry.

FACILITIES & MAINTENANCE OF PROGRAM

Jeff offered the committee a tour of our facility at the end of the meeting.

STUDENT LEADERSHIP DEVELOPMENT

Jeff informed the committee about the current project a group of students took on for the Hudson Police Department. The students designed and 3D printed key chains and investing tags for the HPD. It was a great experience to have a HPD officer come in to meet with the students and give them some background on how these items would be used. Jeff suggested that he is going to start a suggestion box that people in the community can ask for students to make projects to assist people in the community. Community Service projects will be going on this spring, such as Kiwanis and Chamber clean up days along with Earth Day coming up in April. Bill will plan to get ahold of CSI to get some students to help with clean up after the Firework show he puts on in Hudson, it would be a great opportunity for students to receive community service hours.

WORK BASE LEARNING

Jeff informed the committee that the students were able to attend the Virtual MFG Day this year. The plan is to get back to field trips this next school year, as long as restrictions allow. The Virtual MFG day was a great opportunity for the CSI students given the circumstances. Students will be attending the event, CT2, that will be held at CSI in May. Dan mentioned it would be great to get the students back to the SEM event also. Tim Smith suggested coop programs for the seniors that have completed certifications, this could also help the companies that are struggling to get employers.

PROGRAM DATA - PARTICIPANTS

Jeff informed the committee we currently have 65 students enrolled in Mechatronics. It is down this year due to COVID and the recommendations to have students social distancing. The value of this class is through hands-on training, so it is a tough time as we work with the recommendations. The other hit we have taken is that we haven't been able to tour out of district students due to COVID. The goal is to have any students with interest in this industry field in Lenawee County attend this program. It is free to Lenawee County students, all expenses paid for, including transportation as long as the minimum requirement is meant. We are working out details to have smaller groups touring at a time so we can get back to providing this program to all Lenawee County students interested in this field of study. Jeff talked about the Marshall Plan and how we have smaller versions of the equipment housed in our facility at Hudson. We were able to take that to Addison High School to show students what we offer at CSI. We plan to use it again this year to help spread the word around the county about CSI. Dan wanted to add we are fortunate in Lenawee County with the ISD and the funding we receive in this county through CTE/Tax Dollars. The ISD has been very supportive of our program and the other programs in the county, the vision is that each district send students to another district for their center of excellence program. We need to utilize that for each student's success and be the most efficient and effective county to do what is right for the student's success.

INDUSTRY CERTIFICATIONS AND ASSESSMENTS

Jeff had 12 students receive their FANUC Robotics certification during the 1st semester. There are currently 7 students certifying for CNC, 8 students in Pneumatics & Hydraulics. The plan is to start PLC training in the Fall of 2022. Jeff mentioned a student who currently completed the CNC certification. After speaking with him further the student's plan is to go into Line work, with that information Jeff plans to work on this with the student to help him follow his interests after high school.

EARLY MIDDLE COLLEGE COURSE OF STUDY AND COLLEGE NOW

Jeff explained that Kevin Reed oversees our Early Middle College students and there are around 24 students. SMCSI is now involved with College Now with about 15 students enrolled in this program. Tyler Conrad gave an update about this program. Tyler stated that this is a great opportunity for CTE students who are actively involved with the CSI Mechatronics program or students involved in LISD programs. College Now focuses on students who are in CTE programs and can take College credits while still in High School. CSI has also been working with Jackson College to have credits articulated for our Mechatronics students. The goal is to have this in place by the end of this school year, it is a high priority for our program. CSI is currently working with Jackson College to articulate mechatronics credits for CSI students. The plan is to have this completed by the end of the school year.

EDUCATIONAL MATERIALS – SOFTWARE, TEXTBOOKS, FACILITIES & MAINTENANCE OF PROGRAM

There was review of the Hudson classroom, equipment and curriculum and materials and all classroom resources reflect current industry standards and technology and materials are free of bias. A motion was made by Melissa Tsuji and seconded by Tyler Conrad that the committee reviewed and assures: the program has appropriate facilities, equipment and materials; the resources are relevant to the program

curriculum; instruction reflects current industry standards and technology and materials are free of bias. **Motion passed.**

CSI EVENTS

Dan updated the committee that the plan was to have an event called MiCareer Quest in our building that would hold 4 quadrants of 4 different industries and have hundreds of students visit our building for the day to explore these careers then COVID hit and it was delayed. MiWorks plans the event and we will host it at our facility. This event will still take place in the spring of 2022. There will be a time for students during the day and another adult session in the afternoon offered for adults. The date of this event is May 12, 2022. Student session from 9am to 11am and adult session from 1pm to 3pm. The SMCSI Golf Outing will be July 15, 2022. This is our biggest fundraiser to help support our student's projects/programs at CSI.

INDUSTRIAL INPUTS

Jeff wanted to start the discussion off with the does the committee have any more suggestion on stuff we aren't doing that would be beneficial for us to look into starting. Bill White took the time to inform our staff that drones are becoming a very popular industry. He has a connection with a company that is going to be located in the county and thought it would be something we would be interested in as it is a fast growing industry. Tim Smith took the time to ask if we had looked into robotic and manual welding, it is a high demand position right now and thinks it would benefit our students. Tim mentioned that he would be visiting a company in Fort Wayne that performs manual and robotic welding, he believes there is a high need for this and would suggest CSI Staff looking into this certification. Bill White spoke about learning simplified tech English, this is very beneficial to students when advancing in this industry. Dr. Marc Palmer asked Jeff if the students have portfolios or work on portfolios for all of their accomplishments. Jeff stated that part of the class the students do work on their portfolios. Dr. Palmer suggested to keep up on their portfolios, because these are key to get credit through Siena Heights University. Dr. Palmer and Jeff spoke about setting up a break out meeting to discuss this along with other ways CSI and SHU could partner together.

NEXT MEETING DATE

Will be in the Fall of 2022. An email will be sent out with date, time and location.

ADJOURNMENT

Motion was made by Alex and supported by Ron Chinn to adjourn the meeting at 1:06pm. **Motion passed unanimously.**
