NORTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT

FULLERTON COLLEGE

ADVISORY COMMITTEE MINUTES

**Date of Meeting:** Thursday, May 16, 2019

**Location:** Automotive Technology Department, Building 900

**Committee:** Automotive Technology Advisory

**Members Present:**

Mark Hawkins – Technical Solutions Manager, Redline Detection

Torricelli Joe – Fullerton College Automotive Student

Greg Ramirez – Automotive Emissions Instructor, Smog Tech Institute

Robert Vargas– Manufacturer representative, Hunter Engineering

Tom Brenneman – ASE Education Foundation Manager

Alan Vester- Shop Foreman, Fairway Ford

Peter Stawniczy – Vehicle Technician, City of Anaheim

Daniel Eini– Shop Owner, So Cal Tire and Service

Robert Gordon- Automotive Instructor, Retired

Robert Wenzlaff – Automotive Instructor, Retired

 Sue Wenzlaff – Drafting Instructor, Retired

**College Personnel:** Jose Victor Miranda – Automotive Department Coordinator, Instructor

David Lopez – Automotive Instructor

John Farley – Automotive Instructor

Robert Maine- Automotive Instructor

Charles Zepeda – Automotive Instructor

David Diaz – Automotive Shop Coordinator

Jose Victor Miranda called meeting to order at 6:45 p.m.

1. **Introductions:**

Each member present introduced themselves and mentioned the organization they represented.

1. **Selection of Committee Chair, Co-Chair, and Recorder.**

Jose Victor Miranda, Chairperson; Greg Ramirez Co-Chair; David Diaz, Recorder.

1. **Review of Minutes.**

**Tom Brenneman** made a motion to approve the minutes, **Robert Vargas** seconded the motion; those present approved the minutes.

1. **Program Update**
2. **Facilities & Equipment**

1. **Need of Storage Room.**

**David Diaz** explained the current facilities limitations in regards to the lack of sufficient storage space for oversized automotive equipment and other instructional materials as well as additional parking for laboratory vehicles needed to satisfy current student needs and future program expansion. Additionally, he mentioned the need of extra exterior lighting to illuminate the shop parking lot areas and to possibly seek the installation of an awning or roof structure over the shop two outdoor workstations.

1. **Need of Extra lecture Room for program expansion**

**David Diaz** explained that the Auto department only counts with three formal classrooms for all the 19 different class offering. Classrooms are also used for laboratory activities such as engine/transmission disassembly practices often requiring extensive setup and clean up times. Moreover, FC auto students have expressed their desire to have dedicated classrooms for the different classes. **Jose Miranda** added that having an extra classroom could help us build more industry partnerships by being able to host update workshops for existing automotive technicians and for future program expansion in general.

**Alan Vester** introduced a motion second by **Peter Stawniczy** to approve the proposed additional storage room, lecture room and installation of outdoor workstation’s roof structure and extra outdoor shop lighting. The committee voted to unanimously approve the motion.

1. **Need of Equipment and tools**

**David Diaz** asked the committees members for recommendation on new shop tools or equipment that might be suitable to incorporate into the program. **Peter Stawniczy** inquired if we had a new R1234yF A/C recovery machine. David replied that the high cost to own one of this machines is still a restrictive factor, **Robert Maine** added that very few vehicles equipped with R1234yF are in need of service or repair due to fact that most of these still carry manufacturer warranty. He added that instead we opted to purchase one more R134a recovery unit that could also service hybrid vehicles. **Alan Vester** commented that at the Ford dealership the R1234yF machine sees very little use as is only utilized on very select late models vehicles. He stated that as long as our students learn the basic principles of A/C recovery and recharge practices it will be sufficient to fulfill minimum qualification for aspiring technicians. **Mark Hawkins** pointed out that the FC auto fleet lacks of a vehicle that comes equipped with that particular type of Refrigerant, consequently if we purchase the machine we will also have purchase a new vehicle to practice on. **Robert Maine** added that on his A/C course students achieve the Section 609 certification during class, which covers particular recovery information on this refrigerant. He stated that students also practice the usage of an ultrasonic testers to check for leaks and a refrigerant identifiers to minimize cross contamination. **Daniel Eini** commented that his shop technicians do service R1234yf equipped vehicles from time to time and that students should be aware of common failures including suction line heat exchangers and compressor internal cracks. He noted that R1234yf replacement refrigerant is priced much higher than any other auto refrigerant. **Peter Stawniczy** asked about what type of wire crimping practices were covered during the Electrical class. **John Farley** replied that students are trained in the usage of basic crimpers to build solid skills and that later on when students join the workforce they will learn the specifics on the different wire crimpers styles.

**B) Budget**

**David Diaz** explained that the FC auto department continue to receive funding through various sources such as the CA lottery system educational fund. Monies are used to cover for instructional supplies and small tools. Also, as part of the Strong Workforce for Advance Transportation Grant we were able to secure a new A/C recycling machine and the Autel 908 scan tool. **Daniel Eini,** commented that buying an Autel 908 diagnostic tool was a good choice. He really likes the Autel ease of use and its versatility at the time to update its software compared to Snapon units. He was really pleased to know that we are training students on this particular tool that is very popular among independent shops.

**C) Curriculum**

**Charlie Zepeda** presented curriculum updates to the advisory committee.

He mentioned that in previous meetings the automotive advisory committee supported the idea of reducing the Class size to 20 students per course to directly improve the quality of instruction, but it is important to note that class size is not subject to classroom seat availability. He said that in previous discussions with Kia technical trainer, Steve Denty suggested that keeping the student ratio of less than 20 students per 1 instructor was ideal for hands on automotive training. **Alan Vester** introduced a motion second by **Robert Vargas** to keep class size to a maximum of 20 students. Those present approved the motion.

In addition, **Charlie Zepeda** expressed that the automotive certificates class descriptions were recently revised and, approved at the state level. The Fullerton College Automotive Department offers a total of 11 training certificates and one associate degree. A packet was distributed to the advisory committee members that included current certificate descriptions and class summaries. He asked the committee member to scrutinize the course offerings and to present any suggestions to accommodate industry needs. No further revisions were advised. **Jose Miranda** added that by allowing auto students to achieve skills certificates while they continue their education broadens student’s potential to secure jobs and start gaining valuable work experience early on their careers. **Daniel Eini** commented that he could really use employees with the chassis specialist skills certificates. He added that in general most of the independent service garages look to hire certified technicians to fulfill minimum requirements of keep (AAA) certified shop status or ASE approved repair facility. He believes that by allowing our students to achieve auto skill certificates it encourages them to continue completing other industry recognized certifications such as ASE and Manufacturer specific endorsements. **Alan Vester** stated that at his Ford dealership new hires undergo constant training and work under a journeyman tech for about three years, during this time they are moved to different roles until they find an area they would like to specialize in. He complimented the program structure for his commitment for well-rounded automotive education and admitted that the number of units per certificate might be somewhat irrelevant to the industry hiring managers. **Jose Victor Miranda** elaborated that the number of units assigned to each certificate is calculated based on various factors such as the number of hours of instruction. Program budget depend on the number of awarded certificates. **Charlie Zepeda** asked the committee for their input in regards to current certificate survival. **Tom Brenneman** introduced a motion second by **Peter Stawniczy** to keep the all the current Automotive Certificates in place. The committee were all in favor to approve the motion

 **D) Behavioral Expectations, Skills and Uniforms**

John Farley, presented some revisions to the list of industry relevant behavioral traits, skills and personal commitments previously discussed on the past meeting. Skills revision included; to have students understand responsibilities of automotive repair facility personnel (lot attendant, service technician, service consultant, parts specialist, and service manager) and the importance of knowing how to safely operate a vehicle with manual transmission. In addition, under the personal commitment area we can incorporate the ability to maintain a professional appearance (Fullerton College Auto Tech uniform shirt). He added that other CTE programs on campus require the use of a uniform. **Greg Ramirez** introduced a motion second by **Robert Vargas** to incorporate the additional behavioral expectations, skills and uniform policy.

1. **New and Continuing Business**

**Joe Torricelli** commented on the shop space limitations in regards to parking student vehicles projects and the lack of temporary storage rooms to keep students transmission projects to lay out the parts during the disassembly process. **Tom Brenneman** introduced a motion second by **Peter Stawniczy** to increase the number of shop parking spaces. Those present approved the motion.

In addition, **Greg Ramirez** mentioned that we could look into expanding the program by building a second story on the existing building to satisfy the need of extra storage and lecture room.

**Charlie Zepeda**, commented that the Fullerton College Scholarship Foundation administers the FC automotive scholarship. He explained that recently the auto department decided to invest the shop scrap metal recycling proceeds into the auto scholarship fund. The main goal is to help scholarship recipients purchase some tools to ease the transition in to a technician job. He invited committee members to make donation by contacting the FC Scholarship foundation manager Lindsey Gatica or by donating scrap metal materials. **Robert Wenzlaff** shared a personal experience that exemplifies that job behavioral traits are as important as having the necessary technical skills to be successful in a work environment. **Alan Vester** recommended that in future meetings we should cover industry trends.

1. **Recruitment of New Members**

**Jose Victor Miranda** asked members to recruit new industry members to increase support for the automotive program.

1. **Summary**

**Jose Victor Miranda** thanked the committee members for their time and support of the program.

**Peter Stawniczy** made a motion to adjourn second by **Charlie Zepeda.**

Meeting Adjourned at 9:00 p.m.