WESTERN PIEDMONT COMMUNITY COLLEGE

MINUTES

Component: CET/EET Programs
Chairman: Warren Gruber, Greg Buchanan present
Date & Time of Meeting: October 2,2014, 5:30-7:30PM
Members Present: Ped Vang
Members Absent:
Joe Ferguson
James Frady-confirmed for attendance but no attendance
Chad Haas-confirmed for attendance but no attendance
Edgar Jones
Brian Sawyer
Lloyd Shore
Scott Webb- confirmed for attendance but no attendance
Phil Crump
David Ziegler-confirmed for attendance but no attendance

Guests Present:

Forward Additional Copies to: Dr. Michael Helmick, Dr. Chad Bledsoe, Atticus Simpson, Sandra Hoilman and WPCC Minutes. *(WPCC Minutes is listed on Outlook 365)*

We reviewed the changes in both the CET and EET programs. MAT-223-Calculus is no longer required and is an elective now. EGR-111 has been removed and replaced with CIS-110. Ped strongly supported the Calculus requirement and recommended that students continue to take it as an elective.

We discussed the preparation already in progress for an Industrial Systems Technology Program and also the current Industrial Maintenance Con-Ed program. Ped agrees that a full Mechatronics program is needed. He sees a need for this in industry. Ped also supports students in EET and CET taking courses in AUTOCAD and solidworks to become more diverse and familiar with Mechanical concepts.

Throughout six EET and CET classes, students are now being required to create a design of their own using what they have learned in class. Students must meet a deadline, have a list of specifications, bill of materials, and computer made schematics. Ped supported these types of projects and felt that it requires students to think on their own and apply what they have learned. We also discussed the requirements of EGR-285-Design Project and how students from CET, EET and MET are working together on the same design. Ped agreed that this forces students to develop teamwork skills and an understanding of different engineering fields.

We toured the labs and presented the new Allen Bradly PLC Trainers, Robot, and Automation equipment. We discussed the Duke Energy Grant and how this money is being used to revamp our Automation and Robotics lab. Ped was pleased with the new PLC Trainers and supported the expansion of our Automation and Robotics lab. He supports the teaching of multiple PLC Platforms.

Comments from the Advisory Team:

Strong support for a Mechatronics Program. Ped felt that students who are well rounded in CET, EET and MET have more skills necessary for industry. We discussed the plan for an Industrial Systems Technology program in the near future and the hiring of a full-time faculty member as well.

Ped also expressed the importance of teaching proper safety procedures. This has been done in EGR-111 and EGR-150 from an ethical standpoint in the past. More emphasis will be placed on this in core EET and CET classes. Additionally a recommendation will be made back to Michael Daniels to incorporate a Safety Class into the continuing ED class and the an Industrial Systems Technology program.