OGPT Advisory Board Committee Meeting Minutes
April 11, 2014
8:30 am

Attendees:
Linda Sonnier
Rocky Duplichan
Dr. Stan Wilkins
Ragan Dickens
Melodie Stevenson
Laura Goadrich
Edgar Bottom
Patti Trudell,
Kelly Guilbert

Linda Sonnier began the meeting and welcomed the board.

Rocky –
- Introductions of key personnel and attendees
- Discussion of the role of advisory board, SOGO
- Review of current curriculum was discussed
- Review of changes in curriculum, including addition of chemistry and quality management, drop Applied Tech Math, in order to acquire PTEC endorsement, needed for PTEC certification – Requires site visit and program approval
- OGPT program status updates, including current enrollment, graduates, student demographics
- Growing pains regarding new building, including reduced class size. Addition of new sections to accommodate students
- Discussion of internships requirements, options and current need for internships.
- Discussion of scholarship requirements and options.
- Student Oil and Gas Organization update; Shell sponsored trip to Robert’s Training Facility and Nicholls State University
- Overview of NAPTA and PTEC, process technology importance
- Discussion regarding curriculum and current status of the Energy Services, CTS, offered at NWLTC in Mansfield, LA
- Upcoming 8th grade expo, TAME trailer (sponsored by Shell), use of SOGO students to manage trailer
- Overview of OGPT equipment and current status

Dr. Wilkins inquired regarding current job market. Ragan Dickens indicated that industry demand is somewhat slow, but no shortage of work. Kelly Guilbert from Encana indicated company recently suffered 20% workforce reduction. Outlook for future is good.
Ragan Dickens inquire regarding female to male ratio in program. Currently 3 women in program.

Patti Trudell indicated that the Jumpstart Program may be instrumental in feeding OGPT program. Seeing changes in secondary education, including AEP’s Courses Count initiative.

BPCC is a Siemens Partner School. The Siemens Mechatronics System Certification Program (SMSCP) is the internationally recognized workforce with qualifications in Mechatronic Systems. There are 3 levels of Certifications and we currently have two certified instructors to teach in these areas. There are currently 13 students eligible to take the Level 1 exam in December 2014.

Meeting adjourned at 09:51 a.m.

Minutes submitted by: Jennifer Parish
Minutes approved by: Carrie Salinas
WELCOME OGPT ADVISORY BOARD

APRIL 11, 2014
Oil and Gas Production Technology
Program Information

Industry Members and Support

- Operators
- Engineers
- Consultants

Student Representative(s)

- Student SOGO leaders

BPCC Department Personnel

- Faculty and Adjunct
Oil and Gas Production Technology
Associate of Applied Science

Lecture Courses
- Intro to Oil and Gas
- Drilling Complex Wells
- Workovers and Completions
- Regulatory Issues
- Quality
- Production and Recovery I
- Production and Recovery II
- Industrial Safety (SafeLand)
- OSHA Hazwoper 40

Lecture/Lab Courses
- Electricity
- Hydraulics/Pneumatics
- Pumps and Compressors
- Instrumentation
- Field Processing of Natural Gas
Oil and Gas Production Technology
Associate of Applied Science

Other Courses
• Geology
• Chemistry
• Quality Control
• College Algebra
• Organizational Behavior
• State and Local Government
• English Composition
• Humanities Elective

Work Opportunities
• Computer Applications for Oil and Gas
• Coop – Work + School
• Internship - Summer
Oil and Gas Production Technology
Industry Certifications

Safety
- PEC SafeLand
- (Considering including OSHA Gen Industry 30)
- OSHA HazWoper 40

Industry
- NAPTA (PTEC) Endorsement
- Siemens Mechatronics Level I
- (Optional certification by taking Mechatronics course)
Oil and Gas Production Technology Status Update

- Students Enrolled: 144
- Graduates, Fall 2013: 14
- Sections Offered: 24
- S14 Hours Attempted: over 600
- Student demographics:
  - Average age middle 20’s
  - Serious students
  - Many employed in the industry
- Challenges
OGPT Internships

Requirements to host internships:
* 8 weeks – 16 weeks
* Variety of experiences
* Observe, help, and perform tasks

How students qualify for internships:
* Complete 30 credit hours of degree program
* Complete Safe Land/HAZWOPER Certification
* Have appropriate GPA
* Be mature and responsible enough to handle field work
* Agree to the terms of the internship
* Complete all necessary documents
* Interview and be selected by the host company

Companies are needed to host internships
OGPT Internships

Typical internship providers
• Operating Companies
• Various Consultants
• Sales, Service Companies
• BPCC

Student internship experiences:
• Research
• Office personnel
• Field personnel, including roustabout, equipment maintenance, lease operations
• Other entry level positions
• Misc. training
• Leads to full-time employment

Companies are needed to host internships!
Scholarships awarded for:
- Academic merit, 3.5 and 3.0 GPA
- Dedicated student
- Transfer students
- Over 30 scholarships awarded to date

Scholarships awarded by:
- Industry Support
- SOGO fundraising

Scholarship amounts:
- $1000.00 for 3.5 academic merit; 2-3 awarded
- $500.00 for 3.0 academic merit; 2-3 awarded
- $250.00-$500.00 for dedicated student; 1-2 awarded
- $250.00-$500.00 for transfer student; 1-2 awarded
- Tuition and expense based, 1 awarded

Companies are needed for scholarship opportunities!
Sponsored by LOGA

- First student LOGA chapter in state
- All students in degree program are potential members
- Work with LOGA at functions
- Volunteer to help with energy camps
- Help sponsor career day
- Serve as ambassadors for the program

Previous Activities

- Assist with LOGA State of the Industry Event
- Assist with other LOGA events, such as golf tournament and sporting clay events
- Ambassadors for the program to other groups
The North American Process Technology Alliance (NAPTA) is an organization of the Process Technology (PTEC) education providers and their business, industry, and community advisors cooperatively working toward their common goals. The NAPTA is the administrator of the PTEC curriculum.

The NAPTA audits PTEC degree programs in the United States and endorses those that meet its criteria.
PTEC Graduates Impact the Bottom Line

- Increase asset utilization 1 – 4%.
- Decrease employee selection costs by 80 - 90%.
- Reduce two-year new employee turnover by 50%.
- Drop job-training costs by 40%.
- Result in 37% fewer safety-related incidents
- Reap an average of $16,000 for every new hire made
Energy Services
Certificate of Technical Studies

- Basic Mechanics Lab/Lecture
- OSHA 30 Hour Industrial Safety
- Hydraulics and Pneumatics
- Applied Technical Math
- Basic Electricity & Lab
- Pumps and Compressors & Lab
- Basic Digital Electronics
- Instrumentation & Lab
- Programming & Problem Solving
- Information Technology
- Mechatronics Level I & Lab
- Electives:
  - Field Processing of Natural Gas and Lab
  - Electric Motor Controls and Lab
Mechatronics
Level 1: Certified Mechatronic Systems Assistant
Operators help operating plants, perform routine maintenance and assist in the resolution of problems. They change the loading of turbines/generators as required through the electronic control system. Furthermore, they are responsible for troubleshooting, servicing, and installing equipment under supervision.

Level 2: Certified Mechatronic Systems Associate (FUTURE)
System Technicians do major repairs and installations, respond to breakdowns, perform preventive maintenance and ensure efficient operation of different equipment/machines. They troubleshoot, maintain and adjust precision electronic and pneumatic instrumentation, process controllers and process control loop components including sensor, transmitters, converters, valve positioners and actuators.
Current Status

- Students Enrolled: 23
- Graduates, Fall 2013: 5
- Sections Offered: 12

Student demographics:
- Average age middle 20’s
- Students who need a shorter employment re-entry
- Generally, unemployed and need supportive services

Challenges:
- Integrating Mechatronics into the vocabulary of employers
- Finding students who have talent in the three focus areas of mechatronics
The Well-Bore Demonstrator is designed to replicate many of the hydraulic conditions encountered in drilling operations. These conditions are produced in a replica well-bore manufactured from industrial clear PVC that allows students to observe the flow patterns. The demonstrator is capable of replicating many of the flows encountered in a drilling and production operation including:

- **Well Production**
  - Tubing Production
  - Casing (Annular) Production
- **Tubing on bottom condition**
- **Tubing off bottom condition**
- **Circulation**
  - Circulation up the tubing
  - Circulation down the tubing
- **Oil/Water/Gas flow from the formation into the wellbore**
The Lab-Volt Instrumentation and Process Control Training System is a complete training program that introduces students to a wide range of industrial processes (temperature, pressure, flow, and level) as well as with their instruments and control. The use of modern equipment coupled with a complete training program helps students to learn and retain the theoretical and practical knowledge that is mandatory to work in the process control industry. To maximize the educational efficiency of the system, the teaching material covers the industry standards for maintenance concurrently with the main training objectives.

**FEATURES & BENEFITS**
Modular system that allows a great variety of configurations. Two-sided workstation allowing two student groups to work simultaneously
Faults can be inserted by the instructor to develop the troubleshooting skills of the students.
Extensive and comprehensive curriculum

**TOPIC COVERAGE**
Temperature
Pressure, Flow, and Level
Air: Pressure and Flow
pH and Conductivity
QUESTIONS/COMMENTS

• Anything we did not talk about.
• Adjunct instructors always needed
• Calendar upcoming events
  • Student Field Trip to Robert & Nicholls State
  • Official endorsement from Siemens
  • Official endorsement from NAPTA
  • SPRING Graduation

• Closing Remarks