

Spring 2015 Construction Management Technology Advisory Committee Meeting Minutes

Chairperson: Mr. Robert Benda
Meeting date: May 8, 2015
Meeting time: 11:30 a.m.
Meeting place: STEC 1133
Recorder: Orlando Bagcal
Previous meeting: November 7, 2014

Attendees: Name and Title

Members present: 18

Guests: 9

- **Robert Benda**, CEO, Westwood Contractors
- **Jeff Avery**, President, NAHB/GFWHBA
- **Gladys Emerson**, VP- CE/ TCC
- **Carl Roegner**, Retired / ACCE Member
- **Jared George**, Pavement Services
- **Thomas Ford**, Department Chair, TCC
- **Cannon Kilde**, Journeymen Construction
- **Clint Clements**, Austin Bridge and Roads
- **Dr. Steven Wilson**, VPAA, TCC
- **Gary Stowe**, Journeymen Construction
- **John Griffith**, Cardinal Co.
- **Dr. Peter Jordan**, President, TCC South
- **Ronny Warren**, Project Mangt. Solution LLC
- **Ben Torres**, M. Baker Intl.
- **Janice Strickland**, Administrative Assistant
- **Emmanuel Nieto**, City of Fort Worth Inspector
- **Randy Graham**, TCC Construction Services
- **Dr. Orlando Bagcal**, Tarrant County College
- **Adrian Grimes**, Dept. of Homeland Security
- **Nick Spencer**, Project Manager, DOTC
- **Jean Yanes**, Technical Advisor, TCC
- **Rebecca Burleson**, VP, LINBECK
- **James Howard**, Architect, JWPH Architecture
- **Trenton Crouch**, TCC / ACMS President
- **Shellie Gaffron**, AUI
- **Mike Zamora**, Harris-Webb / CMAA
- **Dawn Goodman**, TCC / ACMS Member

Introductions:	All committee members, Tarrant County College faculty, and guests introduced themselves to the group.	Committee Members, TCC Staff and guests
Call to Order:	Mr. Benda called the meeting to order	Mr. Bob Benda
Past Minutes	Minutes were reviewed and approved.	Mr. Bob Benda Committee Members
Meeting Discussions: Advisory Committee Function	<p>Mr. Benda went over the function of the advisory committee members. He explained how each of those functions can be achieved and create a strong industry advisory committee that can better serve and will strengthen the construction program. He stressed out that through their inputs, recommendation and practical experience will benefit the program.</p> <p>Outlined the committee functions:</p> <ul style="list-style-type: none"> - Evaluate goals - Work place needs - Suggest program revisions - Evaluate adequacy of facilities - Identify local business industry leaders - Assist in promoting TCC program 	Mr. Bob Benda
Recognition of Dr. Sheryl Harris	Mr. Roegner suggested having some sort of proclamation to recognize Sheryl Harris for her vision and advocating the accreditation of the program when	Mr. Carl Roegner

<p style="text-align: center;">Status of the Construction Program/ Program Integration</p>	<p>she was still the dean over the program at Southeast campus.</p> <p>Proclamation accepted by members. Cheryl Harris will be recognized at the Fall 2015 Committee meeting.</p> <p>Mr. Benda also applauded the construction program for achieving the ACCE accreditation. He commended the faculty members for their leadership and commitment in providing a high quality education, facilities and equipment.</p> <p>Program Updates:</p> <p>Mr. Thomas Ford informed the committee about the future expansion of the program such as offering of new programs that will be tied up to the existing CM program. He also announced the realignment of various departments in the division. He mentioned that the CM program will be aligned to the Building System Department that includes HVAC, Architecture and Construction. He announced that the CM program will moved to the new Energy Technology Center building.</p>	<p>Committee Members</p> <p>Mr. Bob Benda</p> <p>Mr. Thomas Ford</p>
<p style="text-align: center;">State of the Program</p>	<p>TCC Construction Program was awarded Accreditation in February 2015. TCC is the 2nd two year college in Texas and 12th in the nation to receive accreditation.</p> <p>This distinction opens the door to transfer/articulation agreements with 4 year colleges and universities.</p> <p>The 2015 International Builder's Competition is a residential</p>	<p>Orlando Bagcal</p>

	<p>construction management competition in which TCC has participated each year since 2011.</p> <p>This year TCC won 3rd place for the NAHB Outstanding Student Chapter and 1st place in the 2 year college category in the Residential Construction Management Competition out of 16 teams.</p> <p>The Association of Construction Management Students organization participates in approximately 200 volunteer hours a year of community service. Current activities include Habitat for Humanity, Cow-Town Brush Up, Adopt-A-Highway, and TCC projects.</p> <p>The program has seen steady enrollment over the past year. Enrollment is expected to increase in the coming semesters.</p> <p>Fall 2015 will see more courses offered. There will be 16 sections offered.</p> <p>Graduates are also increasing as compared to previous years.</p> <p>Students of the program are encouraged to participate in giving back to the community by volunteering their time with the many opportunities available such as Habitat For Humanity, Adopt-A-Highway, TCC projects like the installation of a solar charger on the TCC-South Student Building, and the High School Showcase.</p>	<p>Mr. Carl Roegner</p>
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	<p>Dr. Bagcal shared with members the proposed certificate of study for Construction Business Entrepreneur and solicited feedback and suggestions. The new certificate is a Level II and requires 43 credit hours to complete. He mentioned that the students completing this level II certificate will also be eligible to receive Business I certificate with an addition of 2 more classes.</p> <p>Dr. Bagcal asked for recommendations from the members. He directed members to refer to page 19 of the Advisory Committee meeting booklet.</p> <p>Advisory committee members raised question whether the program can offer several other certificates that could address areas such as real estate, construction finance, project control and civil/infrastructure project. Dr. Bagcal explained that the Texas Higher Education Board limits the number of certificates and AAS degree in one program. They limit 2 Level 1 certificate, 1 Level 2 certificate, 1 marketable skills certificate and 1 advance certificate. He mentioned that the proposed certificate in business entrepreneur will replaced the interior design certificate due to deleting of interior courses in the state level.</p>	<p>Orlando Bagcal</p> <p>Committee Members Mr. Emmanuel Nieto Mr. Randy Graham Mr. Clint Clements</p>
<p>Discussion Questions:</p> <p>How would you define the partnership between TCC and the Construction Industry? What is an ideal</p>	<p>Mr. Benda said that involvement of students with NAHB/ TEXO/ CMAA is a great way and possibly AGC/NAIC as well.</p>	<p>Mr. Bob Benda</p>

<p>partnership that would strengthen our construction management technology program in terms of the following:</p> <p>A. Placement of graduates to construction companies</p> <p>B. Awareness of the Construction program at TCC</p> <p>C. Contribution in monetary and non-monetary to the program</p> <p>D. Scholarship</p> <p>E. Internship</p> <p>F. Involvement with NAHB/TEXO/CMAA</p>	<p>Mr. Ben Torres/ Mr. Zamora said that ACM certification exam and CMAA affiliation can be a good credential and motivation for the students.</p> <p>Mr. Zamora mentioned that CMAA is currently not accepting any more student chapter until their ABET relationship is established. The UTA and UNT chapters are still going through the process.</p> <p>Mr. Benda asked the committee if there is anyone who is currently active members of TEXO in which could be a good network for internship and employment.</p> <p>Dr. Bagcal said that in previous years, VP of TEXO was active member of the committee but loss connection for some reason but he said that he will reach out to them and invite them to be part of the committee.</p> <p>Mr. Avery stressed the importance of staying active with the NAHB and attending the International Builder’s Show to exposed students to the industry.</p> <p>Dr. Burleson raised concern about students being spread thinly if they are going to apply for national chapters in various organizations. She suggested having a single on campus organization with multiple sponsors since it may cost too much for the students if they need to be affiliated in all the national chapters.</p>	<p>Mr. Ben Torres Mr. Mike Zamora</p> <p>Mr. Mike Zamora</p> <p>Mr. Bob Benda</p> <p>Orlando Bagcal</p> <p>Mr. Jeff Avery</p> <p>Dr. Becky Burleson</p>
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	<p>The committee asked if the advisory committee members would mind getting direct contact from students by allowing students access to their contact information. Dr. Bagcal said that if it has to do with internships and employments, it would be best to communicate with him in order to recommend students.</p> <p>Mr. Benda as the committee on how they can we better connect students with jobs.</p> <p>Mr. Torres suggested having students involved in social networking such as LinkedIn.</p> <p>Mr. Benda asked the committee if there are any other ideas to elevate awareness of the program.</p> <p>Dr. Wilson suggested inviting the advisory committee members to the Grand Opening of the new facility to inform the public and raised awareness what the facility can be great resources for the industry.</p> <p>Mr. Warren said to visit High Schools in outlying areas on career days to let them know about a career path in Construction or to invite students to campus and provide a seminar type for them to learn about the construction program.</p> <p>The committee agreed to reach out to non-traditional students who already have jobs and encourage networking outreach.</p>	<p>Bob Benda/ Committee Members</p> <p>Orlando Bagcal</p> <p>Bob Benda</p> <p>Mr. Ben Torres</p> <p>Mr. Bob Benda</p> <p>Dr. Steven Wilson</p> <p>Mr. Ronnie Warren</p> <p>Committee Members</p>
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<p>Are there any new thoughts about equipment or computer software or recent technological developments in the construction industry that we need to address? What industry trends are occurring that we need to be aware of?</p>	<p>Mr. Benda mentioned about various avenues available for monetary contribution by setting up scholarships, endowment and financial support for student who are going for competition</p> <p>Dr. Burleson asked if there is any scholarship model the committee members can follow. Mr. Benda said that he is active member of the TCC Foundation Board and he can provide them the documents and procedures required to set up scholarship or endowment.</p> <p>Mr. Benda asked the committee members on what is the best way to be aware of potential employment for students</p> <p>The committee said to have one on one contact with companies and career fairs.</p> <p>Dr. Burleson asked if there is a planned growth for the program.</p> <p>Dr. Bagcal mentioned that if enrollment rises to a stable 175-200 student, additional hiring of faculty will be granted.</p> <p>Mr. Zamora said that according to the FMG Construction Survey of 2015, TMIS system will be big in the next couple of years. He added that moving to integrate all aspects into one system. The moving away of expensive Primavera P6 software to more towards MS Project due to cost. Some of the big players in the software game are eBuilder, Textura, Primavera, and Procore.</p>	<p>Mr. Bob Benda</p> <p>Dr. Becky Burleson</p> <p>Mr. Bob Benda</p> <p>Mr. Bob Benda</p> <p>Committee Members</p> <p>Dr. Becky Burleson</p> <p>Orlando Bagcal</p> <p>Mr. Mike Zamora</p>
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<p>What recent technological developments in the profession do you feel that you perceive needs our attention? How might they be integrated into our program?</p>	<p>Mr. Griffith stressed about the importance of Primavera P6 scheduling that is required for all publicly funded multi million project and that students should learn the software</p> <p>Dr. Bagcal said that students in the program are learning P6 in their computer-aided scheduling class however; he said that they are having issues renewing the program since it is not compliance to disability requirements. Mr. Ford said that he will talk to the district about it.</p> <p>Mr. Clements mentioned about the integration of ERP systems with TMIS.</p> <p>Mr. Benda mentioned about BIM as one that common software being used for document integration in big commercial construction companies.</p> <p>Dr. Burleson said that since these softwares can be very complicated, they need to also be able to see the sophistication and how they are used in the field.</p> <p>Committee members agreed that the fundamental of scheduling principles are the same no matter what software is used. They stressed out that the students learn the basic fundamentals of scheduling.</p>	<p>Mr. John Griffith</p> <p>Orlando Bagcal</p> <p>Mr. Thomas Ford</p> <p>Mr. Clint Clements</p> <p>Mr. Bob Benda</p> <p>Dr. Becky Burleson</p> <p>Committee Members Mr. Ben Torres</p>
<p>Adjournment:</p>	<p>Mr. Benda and Dr. Bagcal thanked the committee members for their continuous support and for</p>	<p>Mr. Bob Benda Orlando Bagcal</p>

	sacrificing their time as a member of the committee. The meeting was adjourned at 1:43 p.m.	
Committee Chair SIGNATURE:	DATE:	NEXT MEETING: