

Quarterly GIS BILT Meeting May 1, 2013

Meeting Minutes

Bill Hodge
Brian King
Carolyn French
Nate Jennings
Gary Jeffress
Chuck Bales

John Johnson
Nancy West
Rick Marshall
Rick Smith
John Nelson
Ann Beheler

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- Spreadsheet showing stackable
 - Ann- The DOL grant had 4 priorities that we had to address:
 - One was increase completion rates, students drop in and out
 - The concept of stackable certificates
 - Because students can drop in take a few courses, get an entry level job then drop back in take more courses and get another stackable and get another position.
 - To make more attainable in different pieces. We have taken feedback, and created new curriculum, we are putting a lot of courses online make more available as well as putting a lot of lab work on line to finish labs anytime any place.
 - Phil- Essentially, we are a work force training program. The goal is to get people back into the work force quickly.
 - Ann- A workforce program that gets students some academic credentials, as well.
 - Phil- We are showing you GIST 101
 - Rich Smith- GIST 101 introduction to GIS- takes students through space and why is it important. It's a little survey course to get basic understanding. Every piece of equipment has a script. For all for courses we went with Arc GIS 10.1 all labs will be on virtual equipment.
 - GIST 102- Spatial course- how do you use GIS tools, GEO processing?
 - GIST 103- data acquisition and management course- making sure their data is in a secure environment. Naming, topology, survey of freely available data sets
 - GIST 104 cartographic design- history of maps- projection of maps and coordination destinations, color theory, topography, make a map that really tells the narrative in a clean appropriate way. Map critique.
 - All courses all have exams-
 - GIST105 remote sensing- image processing basics
 - PHIL- can you talk about the development process

- Rick Smith- we downloaded the GTCM model and aligned with syllabus, looked at what the core competencies of the courses, and prioritizes what it is they needed to know and went down from there. We created a revised syllabus and then started building out each course open source. Breaking down the modules was very important so that professors could mix and match.
- Phil- Can you talk about the Daecom process
- John Johnson- the Daecom process is a shorted process that over a 2 day period they go over a task list and vote on the tasks involved in a job
- Gary Jeffress- we took barriers down and created one level with about 43 competencies, we also agree that most professionals do one or more of these tasks.
- Phil- the curriculum is connected to the GTECM, enter in and start at the top, MSA means market skills ability, we have an MSA 1 and MSA 2, analyst certificates, and then you would get the AAS. The five courses being created here those 5 become the core for everything we do here and what we push out to partner colleges to pick up. As a desktop GIS technician that they have what they need.
- Gary Jeffress- This also leads in to a 4 yr. degree. We have 2 here; one is digital mapping, students come out of Del mar and the BAA degree is algebra based. Or there is a BA of science would be a two plus three year degree.
- Bill Hodge- the GIS is that the oil companies are some of the slower adopters we are seeing an increased demand for technician but more of the need is in Dallas and Houston where the head quarters are.
- Carolyn French- Houston and Dallas are areas that have a lot of technicians; there is an increased need for entry database training. Oracle squeal server, these entry level courses are not enough at the enterprise level.
- Brian King- I am definitely seeing the enterprise level, out of corporate office, seeing newer technicians needing more knowledge of enterprise. Cloud bursting, Amazon, ec2. Highly beneficial skill that will need.
- Phil- does it make sense that putting our labs in a virtual server good to get them exposed earlier?
- Brain King- I would say yes.
- Carolyn French- everything setup for the students, they want you to know how to setup the server and do patch update. In order to be a GIS support person, they need to know how to configure arch GIS server, not really taught at a 2 yr level. I finished a bachelor level and never touched a setup.
- Nancy West- VM environment is here to stay- we are moving to that, when you have your development in a V.M. sand box, it does kind of gray the lines of GIS and IT. I see that professional where does the DBA stop and the GSC start?
- Rick Marshall-
- Rick Smith- wanted to address teaching the server at a BA level, the issue we see is how do you have 20 servers for each student. Each student was told to have a laptop that they

install what is needed on it. I completely agree that I hate giving them the Disneyland version of data; I tried to not do that in the classes.

- Bill Hodge- I applauded your data with students that is very important to get them introduced earlier.
- Phil- We will send links out to everyone to let you view and provide feedback.
- John Nelson- it is going really well, the students are testing the new curriculum. I have added some extra to it as any teacher would. GIST 102 is an accelerated course- 8 weeks, which is new. We are trying to do this with other courses to help get students certificates faster. We are incorporating some of the things we use in faculty training and such.
- Phil- I would like to have the BILT members give any items in preparation for the meeting in August.
- Bill Hodge- interested in seeing the course curriculum that will be shown in that fashion.
- Gar Jeffress- Will that meeting be at Del Mar?
- Phil Davis- It will be in Collin
- Gary Jeffress- How are we going to keep track of the graduates out of the courses?
- Ann- I have a reporting person who is keeping track of them, we have agreements to get work force information, we also have a texting service to help obtain employment information.
- Bill Hodge- I would make one suggestion- I would encourage everyone to register and use LinkedIn- they have a tool that you can use to track them if their first method doesn't work
- Ann- We are using that, DelMar, you have what 500 participants and 300 employed? We are going to be reaching out to all of you for internships and for virtual internships. We are trying to put these students in front of businesses frequently, so their work can be seen. We would like to have about 30 businesses on this team.
- Phil- Carolyn had a question. Has there been any question to add Ersi Analytics to our curriculum? It would be further down the road in GIST 104; we use some in the beginning to do simple things. We do not have anything specific on this, but we have thought about making a special topic to make it business anaclitic.
- The point Carolyn is making is that if they point out holes in our curriculum; then we need to make adjustments. Special topics have been used on a surveying edge. Data quality and big data- these are something to consider.
- Thank you the NISGTC grant is well under way. We thank you for your continued participations. We have 17 months left on the grant. One lesson learned it is very hard to get moves through 6 different states. We have about 1600 students signed up, taking courses in 4 different areas.
- At the "face to face" meeting in August, we want you to look at all certificates and degree all the colleges have and we want your blessings and feedback.
- The week of August 19th, we will pay your expenses.

