**Information Technology Advisory Meeting**

Spring 2013 Meeting Date

February 6th @ 6:30 in room B150

Adjourned @ 8:55

Minutes Taken By: Dave Hjalmquist

**Attending**

Kathy Brock – M State Administration

Gary Hertel – M State Administration

Tim Preuss – M State Instructor

Chris Goltz – M State Instructor

Deb Flaskerud – M State Instructor

Dave Hjalmquist – M State Instructor

Randy Johnson – M State Instructor

Mike Mulvaney – M State Student

Kris Boland – Nodak Mutual and Chairperson

John Tassava – Titan Machinery

Arday Ardayfio – Blueprint Computers

Don Stieha – Titan Machinery

James Anderson – City of West Fargo

Gail Bratholt – Sanford Health

Barb Halverson – Bolder Thinking

Nick Ingolfsland – Ulteig Engineers

Travis Thomas – Bank of the West

Brian Kappel – Fargo Public Schools

Joe Colvin – Tubs of Fun

Jeremy Begg – Border States Electric

Joe Grotjohn – The Village Family

**Agenda**

The detail agenda can be found at: <http://brazil.minnesota.edu/advisory/advisory.html>

**Advisory Member Functions**

Identify specific subject areas of program inclusion

Prioritizing the recommend subject areas

Specifying appropriate program content level

Reviewing program outcomes on an ongoing basis

Assessment of program quality

Specifying appropriate foundational skill standards for local needs

Identifying general education and related technical skills needed by graduates

Recommending equipment to support the program content

**Discussion concerning different degrees**

Kris Boland welcomed everyone and introductions were made

Kris Boland asked if there were any items to add to the agenda and there were none

James Anderson moved and Gail Bratholt 2nd a motion to approve the minutes from the Fall 2012 Advisory Board meeting, motion carried

Deb Flaskerud explained the new proposed 60 credit Computer Programming AAS

This allows students to take 15 credits a semester and still graduate in 2 years

Kathy Brock explained the reasoning the state mandated the 60 credit limit

Kathy Brock stated that some programs are adding additional certificates if more classes are needed in that degree that can be taken after completion of the degree.

Barb Halverson moved and Gail Bratholt 2nd a motion to approve the Computer Programming AAS degree curriculum degree change to 60 credits, motion carried

Joe Colvin moved and Brian Kappel 2nd a motion to approve the Computer Programming AAS degree curriculum degree change to replace a MnTC class with CSCI 1100 Informatics class, motion carried

Tim Preuss showed an example of a certificate that combines some classes from the health field and the IT field

Gary Hertel explained why the advisory committee has to be formally run

Tim Preuss went over the IT AS degree

Tim Preuss explained why he is proposing replacing Java with Intro to Programming and Scripting in the IT AS degree

The reason being is MSUM teaches Python and Python is used in our Intro to Programming and Scripting

Don Stieha moved and Gail Bratholt 2nd a motion to approve the Information Technology AS degree curriculum as specified to meet the MSUM Computer Information Technology degree changes

Tim Preuss went over the IT AAS degree

Tim Preuss wants to change one of the General Education classes for the Informatics class

Kathy Brock stated that Tim Preuss should detail why the need for the switch to the Informatics class

Barb Halvorson asked what types of students are in the IT AAS program

Tim Preuss stated that many of his current students are immigrants that have little computer background which is why the Informatics class would help them get a better start in the program

James Anderson moved and Gail Bratholt 2nd a motion to approve the Information Technology AAS degree curriculum change to replace a MnTC class with CSCI 1110 Informatics class, motion carried

Tim Preuss went over the IT Diploma

Kathy Brock stated you can only have 45 technical credits Tim Preuss didn’t realize that and will get it changed

Tim Preuss would like to take out the Introduction to Computers and replace it with Informatics class

There are 15 technical electives that will be taken out to satisfy the 45 credit limit

Gail Bratholt moved and Joe Colvin 2nd a motion to approve the Information Technology Diploma degree curriculum degree change to replace CPTR1104 Introduction to Computers class with CSCI1110 Informatics class, motion carried

**Current and future trends impacting curriculum**

Brian Kappel would like more wireless

Barb Halverson asked if we do Perl programming, Chris Goltz stated we do Python, Perl is the old Python

Chris Goltz said Python is easier to learn

Joe Grotjohn asked if we are doing Mobile Apps and Chris Goltz stated yes we have a class in Mobile Apps

Brian Kappel asked about moving towards more tablet related areas

John Tassava said that he doesn’t see students having basic troubleshooting skills to solve problems

John Tassava doesn’t want a new class just to incorporate troubleshooting skills in each class

Brian Kappel would like students to know what type of jobs they could have if they have a certain degree

John Tassava stated that students need to have social and people skills, Joe Grotjohn agreed

The group discussed and agreed that employees besides their certain skill sets need to understand the business

Tim Preuss stated he is checking into virtualization on portable devices

John Tassava asked the group how many were using Cisco equipment 5-6 replied they were

Barb Halverson wants to know how much the cloud was used in the curriculum, Tim Preuss gave some examples  
Tim Preuss asked how many were running their own email server 5-6 replied they were

Nick Ingolfsland on the cloud topic asked about how files were going to be encrypted

Tim Preuss stated he has his students use Password Manager, Barb asked if the students were using it and Tim Preuss said many do

Randy Johnson asked if any were using biometrics, several respond they were

Nick Ingolfsland mentioned data loss prevention

John Tassava mentioned needing more analytical programming

The group discussed using Sharepoint

**Discussion concerning all the different IT programs offered on each campus**

Tim Preuss put up on the overhead all the different IT degrees that are offered at MSCTC

Kathy Brock asked the group about all the different IT degrees we offer and which degrees make a difference in what they are looking for

Kathy Brock expressed concern if a student goes to Student Services how do they direct them to the right degree

The group held a discussion on the different programs offered

Gary Hertel explained the reasoning for having the AAS, the diploma, or a certificate and their differences

James Anderson asked if each campus has an advisory board and Kathy Brock stated yes

Nick Ingolfsland stated to consolidate the all different IT programs

Nick Ingolfsland and Joe Grotjohn stated to keep the Computer Programming degree separate

Nick Ingolfsland and Joe Grotjohn stated that Web Development needs to be kept separate from Computer Programming

Deb Flaskerud would like to make sure a college level math course is required and the group agrees

Committee made a recommendation that college level math should be required for computer programming related degrees

Barb Halverson moved and Arday Ardayfio 2nd a motion to require a college level math class in computer programming related degrees, motion carried

Brian Kappel moved and Nick Ingolfsland 2nd a motion to adjourn the Advisory Board meeting, motion carried