

Assessment Report Worksheet #3

Telecommunication

Unit/Office/Program (3-1)

() **Formative Assessment (3-3)**

(X) **Summative Assessment (3-4)**

Fall 2012-Spring 2013

Assessment Period Covered (3-2)

Nelchor Permitez – May 2013

Submitted by & Date Submitted (3-5)

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Endorsed by: (3-5a)

Evaluation Question (Use a different form for each evaluation question)(3-6):

Do the technical courses in AAS Telecommunication such as: VEE 100, VEE 135, VEE 235 and VEE 240 have 70% (grade of “ C”) and above passing grade in their respective SLO’s?

First Means of Assessment for Evaluation Question Identified Above (from your approved assessment plan 3-7):

1a. Means of Unit Assessment & Criteria for Success (3-8):

The final grade of the student on each courses base on written and performance SLO assessment.

1b. Summary of Assessment Data Collected (3-9):

Course Code : VEE 100

28out of 28 students or **100%** students got 'C' or better as their final grade.

Course Code : VEE 135

15 out of 15 students or **100%** students got 'C' or better as their final grade.

Course Code : VEE 235

12 out of 12 students or **100%** students got 'C' or better as their final grade.

Course Code : VEE 240

15 out of 15 students or **100%** students got 'C' or better as their final grade.

Students were assessed based on written test (quizzes and exams) and performance test (Hands-on assessment).

The assessment tool use in performance is the rubric rating Exemplary, Developing and Unacceptable. Where;

- ✓ *Exemplary – students who passed written exams with a score of 90 or higher. And students who performed practical tasks with no or minimum assistance from instructor to successfully complete assigned tasks.*
- ✓ *Developing – students who passed written exams with a score between 70 and 89. And students who performed practical tasks with some assistance from instructor to successfully complete assigned tasks.*

- ✓ *Unacceptable – students who failed [60 or below] written exams and performed poorly in completing tasks or never completed tasks.*

<i>Course</i>	<i># of students</i>	<i>Exemplary</i>	<i>Developing</i>	<i>Unacceptable</i>
<i>VEE 100</i>	<i>28</i>	<i>25</i>	<i>3</i>	<i>0</i>
<i>VEE 135</i>	<i>15</i>	<i>5</i>	<i>10</i>	<i>0</i>
<i>VEE 235</i>	<i>12</i>	<i>5</i>	<i>7</i>	<i>0</i>
<i>VEE 240</i>	<i>15</i>	<i>7</i>	<i>8</i>	<i>0</i>

1c: Use of Results to Improve Program/Unit Impact/Services[Closing the loop] (3-10):

Base on the summary of it shows a 100% passing rate for the VEE 100, VEE 135, VEE 235 and VEE 240. The SLO teaching strategy and assessment on this courses must be maintain and continuously improve in terms of the content to keep abreast and match in industry needs.

On the SLO's were some students receive developing mark must be given emphasis by the instructor in-charge to improve the level of performance of the succeeding students.

2c: Use of Results to Improve Program/Unit Impact/Services [Closing the loop]:

VEE 100 - *I recommend to modify the course outline and include the current trend in soldering technique procedure the surface mount technology (SMT) and ball grid array (BGA) as additional lesson however this coincide in the purchase also of equipment such as BGA balls, BGA nets, Hot air solder station and infrared solder station. Thus this make our students to become industry competitive in electronics and telecommunication field. Almost all modern gadgets and devices manufactured after 2006 are using SMT and BGA technology in electronics circuits.*

VEE 135 and VEE 235 – *I recommend to increase the time allotted on this courses to increase the level of competency of our students in circuit tracing, analysis and troubleshooting technique in digital circuits. I also suggest to equip one laboratory room with 15 desktop computers for the students to use learn how to assemble and connect digital IC thru software simulation along side using the NIDA digital circuit. I strongly believe this will elevate the cognitive and psychomotor skills of our students.*

VEE 240 – *The course need additional set of NIDA signal processing card to accommodate the increasing number of students registering on this course. Both telecommunication and electronics program students are required to take this course before taking the much higher courses on the said two programs.*

Evaluation Question (Use a different form for each evaluation question)(3-6):

Do the major courses in AAS Telecommunication such as: VEE 230, VEE 250, VTE 265, VTE 270 and VTE 280 have 70% (grade of “ C”) and above passing grade in their respective SLO’s?

First Means of Assessment for Evaluation Question Identified Above (from your approved assessment plan 3-7):

1a. Means of Unit Assessment & Criteria for Success (3-8):

The final grade of the student on each courses base on written and performance SLO assessment.

1b. Summary of Assessment Data Collected (3-9):

Course Code : VEE 230

6 out of 6 students or **100%** students got 'C' or better as their final grade.

Course Code : VEE 250

13 out of 13 students or **100%** students got 'C' or better as their final grade.

Course Code : VTE 270

17 out of 17 students or **100%** students got 'C' or better as their final grade.

Course Code : VTE 280

6 out of 6 students or **100%** students got 'C' or better as their final grade.

Students were assessed based on written exams(quizzes and exams) and performance test (radio communication experiments).

The assessment tool use in performance is the rubric rating Exemplary, Developing and Unacceptable. Where;

- ✓ *Exemplary – students who passed written exams with a score of 90 or higher. And students who performed practical tasks with no or minimum assistance from instructor to successfully complete assigned tasks.*
- ✓ *Developing – students who passed written exams with a score between 70 and 89. And students who performed practical tasks with some assistance from instructor to successfully complete assigned tasks.*
- ✓ *Unacceptable – students who failed [60 or below] written exams and performed poorly in completing tasks or never completed tasks.*

<i>Course</i>	<i># of students</i>	<i>Exemplary</i>	<i>Developing</i>	<i>Unacceptable</i>
<i>VEE 230</i>	<i>6</i>	<i>2</i>	<i>4</i>	<i>0</i>
<i>VEE 250</i>	<i>13</i>	<i>13</i>	<i>0</i>	<i>0</i>
<i>VEE270</i>	<i>17</i>	<i>2</i>	<i>15</i>	<i>0</i>
<i>VTE280</i>	<i>6</i>	<i>2</i>	<i>4</i>	<i>0</i>

1c: Use of Results to Improve Program/Unit Impact/Services [Closing the loop] (3-10):

Base on the summary of it shows a 100% passing rate for the VEE 230, VEE 250, VTE 270 and VTE 280. The SLO teaching strategy and assessment on this courses must be maintain and continuously improve in terms of the content to keep abreast and match in industry needs.

On the SLO's were some students receive developing mark must be given emphasis by the instructor in-charge to improve the level of performance of the succeeding students.

2c: Use of Results to Improve Program/Unit Impact/Services [Closing the loop]:

VEE 230 – The course will be much more effective if the high frequency (HF) and Citizen Band radio transceiver setup, installation and troubleshooting will be included in the course. In the current technology everyone is inclined in the internet technology however if one day the internet shuts down this is the only way we can be reach out thru RF communication. Likewise if approve this two technology can be interface thru the internetwork system and will be able to use the RF communication at the same time talking to another transceiver located in other part of the world combining the two technology in one and maximizing the use of wireless radio instead of using cellular phone.

VEE250 – The course is much more effective if the allotted time of 60 hrs must be increase to 120 hrs for the student to apply and learn more in the field under the supervision of our industry partners. This is also the suggestion of the field supervisor who handles the students in workplace during the immersion.

VTE 270 – Considering the 200 courses in telecommunication are major courses, this specific course was designed more on theory and lack of practical skills which the industry need. I recommend that the VTE270 and VTE281 which is cellular phone servicing be merge to incorporate more hands-on training for the students. Cellular phone servicing is the skills needed by our industry partner here on FSM since most people owns cell phone and but there is scarce of qualified to service the cell phone ones is break down.

VEE 280 – the course out line must be modify to include cordless telephony and increase the number

of hour for hands-on. I suggest the course should be offer in the day time period only for it is difficult to focus on the troubleshooting at the end of the day.