

Review of Performance: (VTE 281 Cellular Phone Servicing, Spring 2015, 12 students)

Submitted by: Nelchor Permitez Ed. D.

**Institutional Student Learning Outcomes (ISLO):**

- ILO1: Effective oral communication.
- ILO2: Effective written communication.
- ILO3: Critical Thinking
- ILO4: Problem Solving
- ILO5: Intercultural knowledge and competence.
- ILO6: Information literacy.
- ILO7: Foundations and skills for life-long learning.
- ILO8: Quantitative reasoning.

**Program Learning Outcomes (PLO)**

- PLO1: Practice Safety and occupational health procedures in the workplace.
- PLO2: Use electronic tools and test equipment competently.
- PLO3: Interpret schematic diagrams and waveforms.
- PLO4: Build electronic projects to a given specification.
- PLO5: Practice a career in the Telecomm Industry.
- PLO6: Troubleshoot microwave, fiber optics and telephone system.

| <b>SLO#</b>   | <b>Program<br/>SLO#</b>                     | <b>I, D, M</b> | <b>ISLO</b> | <b>Reflection/Comment</b>  |
|---|---|----------------|-------------|--|
| 1. Describe the fundamentals and operation of a cellular phone. | Interpret schematic diagrams and waveforms. | D              | 5           | The SLO was assess using hands-on troubleshooting and written test.<br><br>Students are more interested to see the actual telecommunication system in actual |

|  |   |   |   | <p>application.</p> <table border="1"> <thead> <tr> <th>Letter Grade</th> <th>Number of student</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>3</td> </tr> <tr> <td>B</td> <td>8</td> </tr> <tr> <td>C</td> <td>1</td> </tr> </tbody> </table>  | Letter Grade | Number of student | A | 3 | B | 8 | C | 1 |
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| A  | 3   |   |   |   |              |                   |   |   |   |   |   |   |
| B  | 8   |   |   |   |              |                   |   |   |   |   |   |   |
| C  | 1   |   |   |   |              |                   |   |   |   |   |   |   |
| 2. Describe and inspect the common parts of a cellular phone.. | Interpret schematic diagrams and waveforms. | D | 5 | <p>The SLO was assess using hands-on troubleshooting and written test.</p> <p>Students are more involved when they saw and touch the actual connection link except for electromagnetic frequency use as connection link for telecommunication systems.</p> <table border="1"> <thead> <tr> <th>Letter Grade</th> <th>Number of student</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>3</td> </tr> <tr> <td>B</td> <td>8</td> </tr> <tr> <td>C</td> <td>1</td> </tr> </tbody> </table> | Letter Grade | Number of student | A | 3 | B | 8 | C | 1 |
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| C  | 1   |   |   |   |              |                   |   |   |   |   |   |   |
| 3. Identify and test cellular phone                            | Interpret schematic                         | M | 5 | The SLO was assess using hands-on troubleshooting and written test.   |              |                   |   |   |   |   |   |   |

| accessories and attachments.   | diagrams and waveforms.                     |   |   | <p>Students need more time in hands-on and other practical procedure to reach mastery level performance.</p> <table border="1" data-bbox="932 362 1913 626"> <thead> <tr> <th data-bbox="932 362 1421 427">Letter Grade</th> <th data-bbox="1421 362 1913 427">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="932 427 1421 493">A</td> <td data-bbox="1421 427 1913 493">2</td> </tr> <tr> <td data-bbox="932 493 1421 560">B</td> <td data-bbox="1421 493 1913 560">9</td> </tr> <tr> <td data-bbox="932 560 1421 626">C</td> <td data-bbox="1421 560 1913 626">1</td> </tr> </tbody> </table>   | Letter Grade | Number of student | A | 2 | B | 9 | C | 1 |
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| B  | 9   |   |   |  |              |                   |   |   |   |   |   |   |
| C  | 1   |   |   |  |              |                   |   |   |   |   |   |   |
| 4. Identify and describe symptoms and trouble of a cellular phone using service manual procedures. | Interpret schematic diagrams and waveforms. | M | 5 | <p>The SLO was assess using hands-on troubleshooting and written test.</p> <p>Students need more time in hands-on and other practical procedure to reach mastery level performance.</p> <table border="1" data-bbox="932 862 1913 1130"> <thead> <tr> <th data-bbox="932 862 1421 928">Letter Grade</th> <th data-bbox="1421 862 1913 928">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="932 928 1421 995">A</td> <td data-bbox="1421 928 1913 995">2</td> </tr> <tr> <td data-bbox="932 995 1421 1062">B</td> <td data-bbox="1421 995 1913 1062">9</td> </tr> <tr> <td data-bbox="932 1062 1421 1130">C</td> <td data-bbox="1421 1062 1913 1130">1</td> </tr> </tbody> </table> | Letter Grade | Number of student | A | 2 | B | 9 | C | 1 |
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| C  | 1   |   |   |  |              |                   |   |   |   |   |   |   |
| 5. Troubleshoot hardware and software problems commonly encountered in a cellular phone.           | Interpret schematic diagrams and waveforms. | M | 5 | <p>The SLO was assess using hands-on troubleshooting and written test.</p> <p>Students need more time in hands-on and other practical procedure to reach mastery level performance.</p>  |              |                   |   |   |   |   |   |   |

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|   |  |   |   | C  | 1                 |              |                   |   |   |   |   |   |   |
| 6. Assemble and disassemble different brands of cellular phones | Troubleshoot microwave, fiber optics and telephone system. | M | 7 | <p>The SLO was assess using hands-on troubleshooting and written test.</p> <p>Students need more time in hands-on and other practical procedure to reach mastery level performance.</p> <table border="1"> <thead> <tr> <th>Letter Grade</th> <th>Number of student</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>3</td> </tr> <tr> <td>B</td> <td>9</td> </tr> <tr> <td>C</td> <td>1</td> </tr> </tbody> </table> |                   | Letter Grade | Number of student | A | 3 | B | 9 | C | 1 |
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**Additional observations:** Students are more interested when taught with actual device shown to them instead of plane picture presentation. Likewise there are new mobile operating system that's in the market now the Android and new OS for Iphone which we also discuss as part of the CSLO number 5.

**Special comments:** 12 out of 12 or 100% of students got a grade of "C" or higher. 3 student got A, 8 students got B and 1 student got C.

**Recommendations:** Student register in the course must be able to finish the 100 courses and first semester 200 courses in technical requirements to be able to troubleshoot the cellular phone and tablets easily.

Signature: NELCHOR T. PERMITEZ

Professor

**Date:** May 8, 2015