

Program Student Learning Outcomes Assessment Summary (AY 2017-2018)

Program Student Learning Outcomes(PSLOS)

At the completion of **AAS Telecommunication Program** the student will be able to:

5. Practice career in telecommunication industry.
6. Troubleshoot microwave, fiber optic, radio communication and telephone system

PSLO Assessment Report Summary

What we looked at:

The AAS Telecommunication Program assessment focus on PSLOs 5 and 6. Students performance were assess while performing the assigned task in telecommunication worksite and on workshop hands-on activity using various communication circuits and devices. Listed below are the results for each of the PSLOs.

What we found:

The Target PSLO 5 and 6 are at least 70% of the student should be able to pass the assessment, practice a career in telecommunication industry and able to troubleshoot telecommunication system and devices.

- VEE250 (Cooperative Education) - 16 out of 19 or 84% of the students pass the assessment and able to practice a career in telecommunication and IT facilities by attending on-the-job training.
- VTE 260 (Microwave) 26 out of 26 or 100% of the students pass the assessment and able to troubleshoot microwave communication system using NIDA system trainer.
- VTE 261 (Fiber optics) 26 out of 28 or 93% of the students pass the assessment and able to terminate, connect and test fiber optics cable using industry standard connectors and equipment.
- VTE 280 (Telephone system) 26 out of 26 students or 100% of the students pass the assessment and able to troubleshoot telephone set using telephone module kit board.
- VTE 281 (Cellphone servicing) 25 out 25 or 100% of the students pass the assessment and able to troubleshoot hardware and software related problem of cellular phone.

What we are planning to work on:

- Continuously and expands the list of industry partners in telecommunication to help and support the program learning outcome improvement to meet the industry skills demand to ensure students graduate employability.

- Attend seminars and workshop in related to the current trends of communication system such as telephone switch network, LTE technology, modern microwave communication system, Cellular phone technology troubleshooting and repair.
- Modify VEE230 to include FM transmitter system setup and maintenance.
- Convert VTE 281 (Cellular phone servicing) as technical requirement course instead of elective course.
- Purchase new NIDA console for Telecommunication including the trainer cards and other devices found to be defective and worn out.

Recommendations for students:

Students must finish and pass all the 100 technical courses in the program to make sure the success rate of passing in 200 level technical courses of the program. it also include english (EN123) to make them proficient in writing technical reports and math (MS104 and MS106) courses to make them more knowledgeable in solving mathematical problems.

They should also be proficient in reading diagrams, use of testing instruments and measurements, check and test active and passive electronics components, and must have a quality soldering skills