

**This plan provides the PLO/SLO assessment plan for AY 2022-2025**

**Name of the program:** \_\_\_\_\_

**Plan for AY 2022-2023, 2023-2024, 2024-2025** \_\_\_\_\_

**Expected date of submission 6/30/2022**

**Contact:** \_\_\_\_\_

To ensure NYIT's CPI process meeting *MSCHE Standard V: Educational Effectiveness Assessment: Assessment of student learning and achievement demonstrates that the institution's students have accomplished educational goals consistent with their program of study, degree level, the institution's mission, and appropriate expectations for institutions of higher education.* in this CPI report, each department is requested to create a three-year assessment/evaluation plan to improve student learning **for each degree programs**. Reports should address the following points:

**Program's Student Learning Outcome Assessment Plan**

1. PLO: State/update each degree program's learning outcomes. The original PLO are here: [http://www.nyit.edu/planning/academic\\_assessment\\_plans\\_reports](http://www.nyit.edu/planning/academic_assessment_plans_reports).
2. Matrix: provide/update the assessment matrix that indicate which learning outcomes are assessed in which set of courses. The original matrix is here: [http://www.nyit.edu/planning/academic\\_assessment\\_plans\\_reports](http://www.nyit.edu/planning/academic_assessment_plans_reports).
3. METHOD: Describe the method of assessment, and measurement instruments (e.g., rubric, exam items, scoring guide for a particular task, supervisor evaluation form, and standardized assessment tool). Note: direct learning outcome assessment is required. Both direct and indirect assessment are strongly recommended.

*Direct measuring instruments include but not limited to: course assignment, portfolios, internships evaluation, capstone*

## CPI\_STUDENT/PROGRAM LEARNING OUTCOMES

*course work, thesis, research project, standardized tests, etc.*

*Indirect measuring instruments include but not limited to: Student survey, interview, alumni survey, employer survey, focus group, students' reflection, etc.*

Program Learning Outcomes/Student Outcomes, <b>Computer Science</b>	AY 22-23	AY 23-24	AY 24-25
Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.	●		
Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.	●		
Communicate effectively in a variety of professional contexts.		●	
Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.		●	
Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.			●
Apply computer science theory and software development fundamentals to produce computing-based solutions.			●

4. Timeline of the PLO assessment: for example:

Program Learning/Student Outcomes ECE	AY 22-23	AY 23-24	AY 24-25
an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics	●		

## CPI\_STUDENT/PROGRAM LEARNING OUTCOMES

. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors	●		
an ability to communicate effectively with a range of audiences	●		
. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts		●	
. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives		●	
. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions			●
an ability to acquire and apply new knowledge as needed, using appropriate learning strategies			●

5. Personal responsibilities for implementing the assessment, collecting data and analyzing the results against expected outcomes

This will be the responsibilities of the Chairs and the Associate Dean for Assessment

**II. Brief description of how the plan is shared and communicated with all faculty members in the department**

As part of the overall ABET assessment which must occur every year this CPI will be implemented as well

*Last updated 2/11/22*