

MS Computer Science

Annual Program Report Template

Year:	2021 - 2022
Program:	MS Computer Science
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Summary of Continuous Improvement Efforts since Last Report

Provide a brief description of how assessment results have been used for program improvement. Point to a specific example of how an assessment provided the program with data it could use for improvement and what that improvement was, if possible, also show evidence of the improvement. You may look at data from the two previous academic years to support this case.

Respond here:

The four goals of assessing the MS Computer Science Program are: 1. Competence in discipline specific knowledge and skills; 2. Use of Mathematical and Scientific Principles in Multidisciplinary teams; 3. Social Impact, Ethics, and Life-long Learning; and 4. Critical Thinking, Communications, and Leadership. There were assessed using the following five assessment methods: 1. Faculty Assessment; 2. Student Exit Survey; 3. Exit Interview; 4. Alumni Survey, and 5. Student Evaluations. Since all 20 targets have met, we did not make any changes to the graduate program.

Program Highlights Since Last Report

Identify and briefly discuss any programmatic curriculum changes made since the last report (e.g. new courses, course changes, SLO changes, course deletions).

Respond here:

There were no graduate-level courses added or deleted.

Table 1. Assessment Results and Analyses for Current Cycle.

STAGE 1: PLAN				STAGE 2: DO		STAGE 3: STUDY
Departmental Student Learning Goal	Program Student Learning Outcome	Assessment	Assessment Method/Location	Benchmark Expectations	Data Results	Actions/Goals Based on Data Results* What do the data tell you? How will you use this data? How were data from the last cycle used to make changes during this cycle, and What were the results of those changes?
Competence in discipline specific knowledge and skills	Students will have solid computer science knowledge and skills and be prepared for their further studies or first jobs.	Thesis or Final Graduate Project	Faculty Assessment, Student Exit Survey, Exit Interview, Alumni Survey, and Student Evaluations/Department of Computer Science	Faculty Assessment > 4 points; Alumni Survey > 4 points; Exit Interview > 3.75 points; Exit Survey > 4 points; Student evaluations > 3.75 points;	Faculty Assessment=4.921 Exit Survey=4.686 points Exit Interview=4.618 points Alumni Survey=4.582 points Student Evaluation=4.284	Met Expectation Since all average points are well above the approved expectations. There was no need for further changes.
Use of Mathematical and Scientific Principles in multidisciplinary teams	Students will be able to employ mathematical tools, scientific principles, and fundamental knowledge of Computer Science to solve problems and work in multidisciplinary teams.	Thesis or Final Graduate Project	Faculty Assessment, Student Exit Survey, Exit Interview, Alumni Survey, and Student Evaluations/Department of Computer Science	Faculty Assessment > 4 points; Alumni Survey > 4 points; Exit Interview > 3.75 points; Exit Survey > 4 points; Student evaluations > 3.75 points;	Faculty Assessment=4.933 Exit Survey=4.659 points Exit Interview=4.612 points Alumni Survey=4.558 points Student Evaluation=4.265	Met Expectation Since all average points are well above the approved expectations. There was no need for further changes.
Social Impact, Ethics, and Life-long Learning	Students will have an excellent awareness of the social and technical	Thesis or Final Graduate Project	Faculty Assessment, Student Exit	Faculty Assessment > 4 points;	Faculty Assessment=4.921	Met Expectation Since all average points are well above the approved

	context of their professional responsibility, ethics, and the need to engage in life-long learning.		Survey, Exit Interview, Alumni Survey, and Student Evaluations/Department of Computer Science	Alumni Survey > 4 points; Exit Interview > 3.75 points; Exit Survey > 4 points; Student evaluations > 3.75 points;	Exit Survey=4.659 points Exit Interview=4.591 points Alumni Survey=4.530 points Student Evaluation=4.330	expectations. There was no need for further changes.
Critical Thinking, Communications, and Leadership	Students will have the critical thinking, communication, teamwork, and leadership skills necessary to function productively and professionally.	Thesis or Final Graduate Project	Faculty Assessment, Student Exit Survey, Exit Interview, Alumni Survey, and Student Evaluations/Department of Computer Science	Faculty Assessment > 4 points; Alumni Survey > 4 points; Exit Interview > 3.75 points; Exit Survey > 4 points; Student evaluations > 3.75 points;	Faculty Assessment=4.938 Exit Survey=4.664 points Exit Interview=4.608 points Alumni Survey=4.533 points Student Evaluation=4.326	Met Expectation Since all average points are well above the approved expectations. There was no need for further changes.

Goal 1:

Faculty Assessment Questions - 1, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16

Alumni Survey Questions - 1, 2, 3, 6, 11, 12, 13, 15, 16, 17.

Exit Interview Questions - 1, 2, 3, 6, 7, 11, 12, 15, 16, 17.

Exit Survey Questions - 1, 2, 4, 5, 6, 7, 9, 10, 11, 12, 14, 15, 16.

Student Evaluation Questions - 25, 28, 29, 30, 31, 32, 34, 35, 36, 37, 38.

Goal 2:

Faculty Assessment Questions - 1, 2, 8, 11, 13, 14, 15, 16, 17.

Alumni Survey Questions - 1, 2, 3, 4, 6, 7, 8, 12, 16, 17

Exit Interview Questions - 1, 2, 3, 4, 6, 7, 8, 11, 12, 13, 15, 16, 17.

Exit Survey Questions - 1, 2, 4, 5, 6, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20.

Student Evaluation Questions - 25, 26, 27, 28, 37.

Goal 3:

Faculty Assessment Questions - 1, 6, 7, 8, 9, 11, 12, 13, 16, 17, 18
 Alumni Survey Questions - 2, 3, 5, 8, 9, 10, 11, 13, 14, 15, 17.
 Exit Interview Questions - 2, 3, 4, 5, 8, 9, 10, 11, 13, 14, 15.
 Exit Survey Questions - 1, 2, 4, 5, 7, 9, 11, 12, 13, 14, 15, 16, 17, 19, 20.
 Student Evaluation Questions - 33, 37, 39, 40, 43.
 Goal 4:
 Faculty Assessment Questions - 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 16, 18.
 Alumni Survey Questions - 1, 3, 6, 8, 9, 10, 13, 14, 15, 17.
 Exit Interview Questions - 1, 2, 3, 4, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17.
 Exit Survey Questions - 1, 2, 4, 5, 7, 9, 11, 12, 13, 14, 15, 17, 18, 19, 20.
 Student Evaluation Questions - 26, 37, 38, 40, 41, 42, 43.

Table 2. Continuous Improvement Results Since Last Report

Stage 4: ACT		
Actions/Goals Based on Data Results <i>*Copy last cycle's actions/goals and report on progress toward continuous improvement on those here.</i>	Status <i>C=Complete P=Progressing N=No Action Taken</i>	Discussion of Status <i>If C, describe efforts that led to accomplishment of actions/goals. If P, provide update on progress made toward accomplishing actions/goals and what tasks remain If N, discuss why action toward accomplishing actions/goals has been delayed and what work will be initiated toward accomplishment.</i>
Competence in discipline-specific knowledge and skills	P	The five assessment methods support the fact that this goal was met. The collected data will be used to further improve competence in discipline-specific knowledge and skills
Use of Mathematical and Scientific Principles in multidisciplinary teams	P	The five assessment methods support the fact that this goal was met. The collected data will be used to further improve the use of mathematical and scientific principles in multidisciplinary teams
Social Impact, Ethics, and Life-long Learning	P	The five assessment methods support the fact that this goal was met. The collected data will be used to further improve social impact, ethics, and life-long Learning.
Critical Thinking, Communications, and Leadership	P	The five assessment methods support the fact that this goal was met. The collected data will be used

		to further improve critical thinking, communications, and leadership.