

B.S. Computer Science Three-Year Assessment Plan for Student Outcomes

Year	Outcomes Assessed (Abbreviated Form)	Courses	Data Collected	Continuous Improvement
Year 1 (2015-2016)	(a) Application of fundamental knowledge	CSC 130, 133, 134, 135, 137, 138, and 139	Direct assessment in course-embedded exam questions, assignments, and projects Supervisor evaluation of student interns	Analyze results of assessment of SOs (a)-(d) and make recommendations for the performance indicators that are below the standard (target success rate of 70%). Implement previous year's faculty recommendations for performance indicators for SOs (g) and (h) that are below minimum and re-assess these indicators.
	(b) Computer system development cycle	CSC 131, 137, 138, 139, and 190/191		
	(c) Application of software development principles	CSC 131, 133, 138, and 190/191		
	(d) Application of skills, techniques, and tools for computing practice	CSC 133, 134, 135, 137, 139, and 195/195A		
Year 2 (2016-2017)	(e) Team work	CSC 131, 190/ 191, and 195/195A	Instructor evaluation Student self-assessment and reflection Supervisor evaluation of student interns	Analyze results of assessment of SO (e) and SO (f) and make recommendations for performance indicators below standard.
	(f) Oral Communication	CSC 131, 190/191, and 195/195A	Faculty evaluation of student oral presentations using a rubric Supervisor evaluation of student interns	Implement previous year's faculty recommendations for performance indicators for SOs (a) - (d) that are below minimum and, re-assess these indicators.

M.S. Program Assessment Plan

The graduate program in Computer Science and Software Engineering developed a plan by which we have assessed student achievement of its Program Learning Outcomes since 2010.

	Outcome 1 Disciplinary Knowledge	Outcome 2 Communication	Outcome 3 Critical Thinking/Analysis	Outcome 4 Evaluation of Related Work	Outcome 5 Professionalism	Outcome 6 Social and Global Implication
2010 – 2011 (Program Review)	a. Evaluation of technical content of MS projects b. Internship employer evaluation	a. Evaluation of MS project written communication b. Internship employer evaluation	a. Evaluation of technical content of MS projects	a. Evaluation of technical content of MS projects	a. Internship employer evaluation	a. Internship employer evaluation
2011 – 2012	a. Internship employer evaluation	a. Internship employer evaluation			a. Internship employer evaluation	a. Internship employer evaluation
2012 – 2013	a. Internship employer evaluation	a. Internship employer evaluation			a. Internship employer evaluation	a. Internship employer evaluation
2013 – 2014	a. Evaluation of technical content of MS projects b. Internship employer evaluation	a. Evaluation of MS project written communication b. Internship employer evaluation	a. Evaluation of technical content of MS projects	a. Evaluation of technical content of MS projects	a. Internship employer evaluation	a. Internship employer evaluation
2014 – 2015	a. Internship employer evaluation	a. Internship employer evaluation			a. Internship employer evaluation	a. Internship employer evaluation
2015 – 2016	a. Evaluation of technical content of MS projects b. Internship employer evaluation	a. Evaluation of MS project oral presentations b. Evaluation of MS project written communication c. Internship employer evaluation	a. Evaluation of technical content of MS projects	a. Evaluation of technical content of MS projects	a. Internship employer evaluation	a. Internship employer evaluation
2016 – 2017 (Self Study)	a. Internship employer evaluation	a. Internship employer evaluation			a. Internship employer evaluation	a. Internship employer evaluation

Lines of Evidence for Assessing Graduate Program Learning Outcomes

Year	PLO	Direct Lines of Evidence (Example: Assignments in core courses; early writing assessment)	Indirect Lines of Evidence (Mid-course assessments; Alumni Survey)
2018 – 2019	PLO 1 Disciplinary Knowledge	a. Exams/assignments in core courses b. MS projects/theses c. Internship employer evaluation	a. Industrial Advisory Committee survey
2017 – 2018 2019 – 2020	PLO 2 Communication	a. MS projects/theses b. Internship employer evaluation	a. Industrial Advisory Committee survey
2017 – 2018 2019 – 2020	PLO 3 Critical Thinking/Analysis	a. Exams/assignments in core courses b. MS projects/theses	
2017 – 2018 2019 – 2020	PLO 4 Evaluation of Related Work	a. MS projects/theses	
2018 – 2019	PLO 5 Professionalism	a. Internship employer evaluation	a. Industrial Advisory Committee survey
2018 – 2019	PLO 6 Social and Global Implication	a. Internship employer evaluation	a. Industrial Advisory Committee survey