Student Learning Outcomes/Objectives, with Any Associations and Related Measures, Targets, Findings, and Action Plans

**SLO 1: Communicate the acquired knowledge in written form**

Acquire knowledge of an advanced area of computing and be able to communicate the acquired knowledge in written form.

**Related Measures**

M 1: Masters Examination Report
Masters Examination Report
Source of Evidence: Academic direct measure of learning - other

Target:
All students electing to complete a thesis complete an in-depth research project of substantial scope by graduation; all students not electing to complete a thesis are proficient in a broad range of sub-disciplines within computer science.

M 2: Refereed publications
Refereed publications
Source of Evidence: Academic indirect indicator of learning - other

Target:
All students electing to complete a thesis produce a manuscript of publishable quality reporting the results of their research; all students not electing to complete a thesis are able to communicate a comprehensive knowledge of computer science at the graduate level in writing.

**SLO 2: Communicate the acquired knowledge in oral form**

Acquire knowledge of an advanced area of computing and be able to communicate the acquired knowledge in oral form.

**Related Measures**

M 1: Masters Examination Report
Masters Examination Report
Source of Evidence: Academic direct measure of learning - other

Target:
All students not electing to complete a thesis are able to communicate a comprehensive knowledge of computer science at the graduate level in oral form by successfully making an oral presentation before a jury of the faculty on a topic of their choice.

M 3: Departmental Seminar Presentation Reports
Departmental Seminar Presentation Reports
Source of Evidence: Presentation, either individual or group

Target:
All students who complete a thesis are able to present an in-depth, professional lecture on a current research topic before graduation.

**SLO 3: Preparation for doctoral study**

Acquire adequate preparation for doctoral study in computer science.

**Related Measures**

M 4: Alumni survey
Outcomes Assessment Survey of Alumni. [This is conducted every two years].
Source of Evidence: Alumni survey or tracking of alumni achievements

Target:
Mean results for the PEO among alumni surveyed (who have gone on to doctoral studies) is at least 4.0 (respondents are asked on a scale of 1-5, 1 being the least and 5 the most, their perception of their level of attainment of PEOs).

M 5: Exit interview
Graduate Student Exit Interview.
Source of Evidence: Exit interviews with grads/program completers

Target:
At least 80% of graduating students who indicate having sought admission to one or more computer science graduate programs are accepted into at least one of those programs.