ASSESSMENT PLAN

Master of Science Program in Computer Science

A.   Program Name

Computer Science Department, College of Arts and Sciences. Master of Science in Computer Science.

B.   Assessment Coordinator

M. H. Samadzadeh, Professor of Computer Science. Date: November 3, 2014.

C.   Mission Statement

- To educate students in all program levels in order to provide them with the knowledge, interest, and ethics to become productive members of the computing profession.
- To pursue and to publicize research projects in computer science in order to extend the present state of knowledge in the computing field.
- To serve as an initial and continuing source of education in the field of computer science.

D. Student Learning Outcomes	E. Assessment Methods	F. Timeline
1. Reviews the literature in a way that a comprehensive understanding of the research in the area of study is demonstrated	1. Master of Science rubric	1. At Master of Science proposal presentation
2. Identifies research questions or problems pertinent to the field of study, providing a focus for making a significant contribution to the field	2. Master of Science rubric	2. At Master of Science proposal presentation .
3. Gathers, organizes, analyses, and reports data using a conceptual framework appropriate to the research question and the field of study	3. Master of Science rubric	3. At Master of Science thesis defense
4. Interprets research results in a way that adds to the understanding of the field of study and relates the findings to teaching and learning	4. Master of Science rubric	4. At Master of Science thesis defense
5. Communicates research results effectively in both written and oral forms using language appropriate to the field of study	5. Master of Science rubric	5. At Master of Science thesis defense
6. Has established a productive research agenda that prepares the student to extend her/his research beyond graduate school	6. Master of Science rubric	6. At Master of Science thesis defense
7. Has gained an understanding of the computer science concepts as covered in the M.S. core courses and their prerequisites	7. Master of Science rubric	7. Based on comprehensive examination questions that are optional during Master of Science thesis defense but required during Creative Component presentation

G. Using Results

All Master of Science students in computer science will be assessed at the time of their proposal presentation and defense using the program assessment rubrics. The rubrics will be recorded, quantified, and analyzed by the designated departmental assessment coordinator. The assessment coordinator will also record and quantify the results of the employer surveys for industrial practice students. The coordinator will present these combined findings to the departmental Graduate Curriculum Committee. The committee will deliberate and come up with recommendations for curriculum changes to better support the desired student outcomes in terms of individual courses, research, and Master of Science thesis advisement. The recommendations will in turn be presented to the departmental faculty for review. The recommended curriculum changes will be discussed and voted on at a regularly scheduled faculty meeting. If and where necessary, the changes approved by the departmental faculty will be put through the normal University course action process for eventual implementation.

MASTER OF SCIENCE ASSESSMENT

Student Name:_____

Degree Phase	Degree Objective	(1) Marginal	(2) Adequate	(3) Competent	(4) Proficient	(5) Advanced	N/A
Thesis Proposal	Reviews the literature in a way that demonstrates a comprehensive understanding of the existing research in the area of study.						
	Identifies research questions or problems pertinent to the field of study in order to provide a focus for making a significant contribution to the field.						
Thesis Defense	Gathers, organizes, analyses, and reports data using a conceptual framework appropriate to the research question and to the field of study.						
	Interprets research results in a way that adds to the understanding of the field of study and relates the findings to teaching and learning.						
	Communicates research results effectively in both written and oral forms using language appropriate to the field of study.						
	Has established a productive research agenda that prepares her/him to extend the research beyond graduate school.						
Coursework Examination (optional for thesis students, required for creative component students)	Has gained an understanding of the computer science concepts as covered in the Master of Science core courses and their prerequisites.						

Completion Semester and Year:_____