Program Plan and Findings: Four Column Layout

Program (CAS) - CS - Computer Science (PhD) - 054

Program Mission Statement: 1) to pursue and to publicize research projects in computer science in order to extend the present state of knowledge in the computer field
2) 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
3) to serve as an initial and continuing source of education in the field of computer science

Program Information

2019 - 2020

Program Information
Assessment Coordinator's Name: Johnson P Thomas
Assessment Coordinator's E-mail Address: johnson.thomas@okstate.edu
Number of Students Enrolled in the Program: 21
Total Number of Students Graduated: 3
Number of Student Graduates from Stillwater Campus: 3
Number of Student Graduates from Tulsa Campus: 0
Were university assessment funds used by the department/program for assessment activities?: No
If yes, describe how funds were used and the contribution the funds had on the assessment process:

Annual Executive Summaries

2019 - 2020

Program Assessment Coordinator: Johnson P Thomas
Plan Review and Approval
Date Current Plan Was Reviewed and Approved:
Date of Future Plan Review and Approval:
Summary of Assessment Findings
Describe overall assessment findings and faculty members' interpretation of the assessment results: Dissemination of research results through publications is to be encouraged.
Dissemination of Findings

Describe the individual(s) or committee responsible for reviewing and interpreting assessment data: Graduate committee and faculty
Describe the process for sharing and discussing assessment findings with program faculty: The graduate coordinator presents the findings to faculty at departmental meetings where the results are discussed. The findings are distributed to all faculty before the departmental meetings.

Program Improvements Based on Assessment

Based on data collected this year, what changes are being considered or planned for the program?: No formal changes. Encourage more publications
Based on this year's findings, what (if any) changes are planned for the assessment process?: None
Describe the process for implementing these changes/planned program improvements: Not applicable
Program Improvements Made in the Last Year: Course Improvements
"Other" Improvements:
Goals for the Coming Year: Increase number of publications
Is this Summary Report Complete?: Yes
List all individuals associated with this report preparation: Johnson P Thomas and K M George

Outcomes	Assessment Methods	Findings	Use of Findings (Actions)
Knowledge - Has the capability and the background necessary to conduct short-term expository research in an assigned area. **Outcome Status:** Active **Planned Assessment Year:** 2016 - 2017, 2017 - 2018, 2019 - 2020 **Start Date:** 10/02/2020 **Archived Date:** **Outcome Type:** Knowledge **Reason for Archival:**	Evaluations were performed by the graduate committee of each student. *** Learning Outcome** **Goal/Benchmark:** **Timeline for Assessment:** At diagnostic examination time. **Other Assessment Type:**	**Reporting Period:** 2019 - 2020 **Conclusion:** 3 - Meets Program Expectations (Proficient) The average score was 3.44 out of 5. (10/02/2020) **Number of Students Assessed:** 9 **Number of Successful Students:** 99999 **How were students selected to participate in the assessment of this outcome?:** Students in the Ph.D. program presenting diagnostic examination were evaluated. **What do the findings suggest about student achievement of this learning outcome?:** The score indicates a competent to proficient level in conducting short-term expository research in an assigned area.	
Publication - Has had her/his research results published or accepted for publication in peer-reviewed and refereed conferences or journals. **Outcome Status:** Active **Planned Assessment Year:** 2016 - 2017, 2017 - 2018, 2019 - 2020 **Start Date:** **Archived Date:** **Outcome Type:** Skills **Reason for Archival:**	Evaluations were performed by the graduate committee of each student. *** Learning Outcome** **Goal/Benchmark:** **Timeline for Assessment:** At comprehensive examination time. **Other Assessment Type:**	**Reporting Period:** 2019 - 2020 **Conclusion:** 3 - Meets Program Expectations (Proficient) The average score was 3 (10/02/2020) **Number of Students Assessed:** 11 **Number of Successful Students:** 9 **How were students selected to participate in the assessment of this outcome?:** All students who completed their comprehensive exams were evaluated. **What do the findings suggest about student achievement of this learning outcome?:** The score indicates program expectations are met. The performance has been varied between individuals	**Use of Findings (Actions):** Recommend target of 2 papers every academic year for each person who has passed the comprehensive (10/02/2020)
Research - Reviews the literature in a	Evaluations were performed by the	**Reporting Period:** 2019 - 2020	

Outcomes	Assessment Methods	Findings	Use of Findings (Actions)
way that demonstrates a comprehensive understanding of the research in the area of study. **Outcome Status:** Active **Planned Assessment Year:** 2016 - 2017, 2017 - 2018, 2019 - 2020 **Start Date:** **Archived Date:** **Outcome Type:** Knowledge **Reason for Archival:**	graduate committee of each student. *** Learning Outcome Goal/Benchmark:** **Timeline for Assessment:** At dissertation proposal time. **Other Assessment Type:**	**Conclusion:** 3 - Meets Program Expectations (Proficient) The average was 3.5 (10/02/2020) **Number of Students Assessed:** 3 **Number of Successful Students:** 3 **How were students selected to participate in the assessment of this outcome?:** All students who presented a thesis proposal were evaluated. **What do the findings suggest about student achievement of this learning outcome?:** The score indicates a competent to proficient level.	
Research Question - 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. **Outcome Status:** Active **Planned Assessment Year:** 2016 - 2017, 2017 - 2018, 2019 - 2020 **Start Date:** **Archived Date:** **Outcome Type:** Knowledge **Reason for Archival:**	Evaluations were performed by the graduate committee of each student. *** Learning Outcome Goal/Benchmark:** **Timeline for Assessment:** At dissertation proposal presentation time. **Other Assessment Type:**	**Reporting Period:** 2019 - 2020 **Conclusion:** 3 - Meets Program Expectations (Proficient) Average was 3.7 (10/02/2020) **Number of Students Assessed:** 3 **Number of Successful Students:** 3 **How were students selected to participate in the assessment of this outcome?:** All students presenting a thesis proposal were assessed. **What do the findings suggest about student achievement of this learning outcome?:** The score indicates a competent to proficient level	
Data Analysis - Gathers, organizes, analyses, and reports data using a conceptual framework appropriate to the research question and to the field of study. **Outcome Status:** Active **Planned Assessment Year:** 2016 - 2017, 2017 - 2018, 2019 - 2020 **Start Date:** **Archived Date:** **Outcome Type:** Skills **Reason for Archival:**	Evaluations were performed by the graduate committee of each student. *** Learning Outcome Goal/Benchmark:** **Timeline for Assessment:** At dissertation defense. **Other Assessment Type:**	**Reporting Period:** 2019 - 2020 **Conclusion:** 3 - Meets Program Expectations (Proficient) Average is 3.9 (10/02/2020) **Number of Students Assessed:** 3 **Number of Successful Students:** 3 **How were students selected to participate in the assessment of this outcome?:** All students defending their thesis were assessed. **What do the findings suggest about student achievement of this learning outcome?:** The score indicates a competent to proficient level	
Reporting - Interprets research results in a way that adds to the understanding of the field of study and relates the findings to teaching and learning.	Evaluations were performed by the graduate committee of each student. *** Learning Outcome Goal/Benchmark:**	**Reporting Period:** 2019 - 2020 **Conclusion:** 3 - Meets Program Expectations (Proficient) Average was 3.5 (10/02/2020) **Number of Students Assessed:** 3 **Number of Successful Students:** 3	

Outcomes	Assessment Methods	Findings	Use of Findings (Actions)
Outcome Status: Active **Planned Assessment Year:** 2016 - 2017, 2017 - 2018, 2019 - 2020 **Start Date:** **Archived Date:** **Outcome Type:** Skills **Reason for Archival:**	**Timeline for Assessment:** At dissertation defense. **Other Assessment Type:**	**How were students selected to participate in the assessment of this outcome?:** All students defending their thesis were assessed. **What do the findings suggest about student achievement of this learning outcome?:** The score indicates a competent to proficient level.	
Communication - Communicates research results effectively in both written and oral forms using language appropriate to the field of study. **Outcome Status:** Active **Planned Assessment Year:** 2016 - 2017, 2017 - 2018, 2019 - 2020 **Start Date:** **Archived Date:** **Outcome Type:** Skills **Reason for Archival:**	Evaluations were performed by the graduate committee of each student. *** Learning Outcome Goal/Benchmark:** **Timeline for Assessment:** At dissertation defense. **Other Assessment Type:**	**Reporting Period:** 2019 - 2020 **Conclusion:** 3 - Meets Program Expectations (Proficient) Average was 3.55 (10/02/2020) **Number of Students Assessed:** 3 **Number of Successful Students:** 3 **How were students selected to participate in the assessment of this outcome?:** All students defending their thesis were assessed. **What do the findings suggest about student achievement of this learning outcome?:** The score indicates a competent to proficient level.	
Research Plan - Has established a productive research agenda that prepares her/him to extend the research beyond graduate school. **Outcome Status:** Active **Planned Assessment Year:** 2016 - 2017, 2017 - 2018, 2019 - 2020 **Start Date:** **Archived Date:** **Outcome Type:** Knowledge **Reason for Archival:**	Evaluations were performed by the graduate committee of each student. *** Learning Outcome Goal/Benchmark:** **Timeline for Assessment:** At dissertation defense. **Other Assessment Type:**	**Reporting Period:** 2019 - 2020 **Conclusion:** 3 - Meets Program Expectations (Proficient) Average is 3.3 (10/02/2020) **Number of Students Assessed:** 3 **Number of Successful Students:** 3 **How were students selected to participate in the assessment of this outcome?:** All students defending their thesis were assessed **What do the findings suggest about student achievement of this learning outcome?:** The score indicates a competent to proficient level.	