Mobile Application Development AAS Program

2016-2017 Assessment Cycle
Assessment Plan

Mission Statement

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The primary mission of the National Technical Institute for the Deaf is to provide deaf and hard-of-hearing students with outstanding state-of-the-art technical and professional education programs, complemented by a strong arts and sciences curriculum, that prepare them to live and work in the mainstream of a rapidly changing global community and enhance their lifelong learning.

Secondarily, NTID prepares professionals to work in fields related to deafness; undertakes a program of applied research designed to enhance the social, economic and educational accommodation of deaf people; and shares its knowledge and expertise through outreach and other information dissemination programs.

Outcomes and Measures

Mobile Application Development AAS Program Outcome Set

Create effective software solutions

Analyze real world problems and efficiently code solutions

Measure: Mobile Application Development Capstone Projects Course [NMAD-290]
Course level; Direct - Student Artifact

Details/Description: Comprehensive

Acceptable Benchmark: 80% of students will score a 2 or higher with a rubric scale 0-3 on project sections related to being able to correctly and efficiently code a solution.

Implementation Plan (timeline): Each semester the NMAD-290 Mobile Application Development Capstone Projects course is offered. Collected by ICS Dept. Assessment Coordinator

Key/Responsible Personnel: ICS Dept. Assessment Coordinator

Measure: Programming Fundamentals II: Mobile Domain [NMAD-181] - Final Written Exam
Course level; Direct - Exam

Details/Description: Final Written Exam

Acceptable Benchmark: 80% of students will score a 75% or higher on exam.

Implementation Plan (timeline): Each semester the NMAD-181 Programming Fundamentals II: Mobile Domain course is offered. Collected by ICS Dept. Assessment Coordinator.

Key/Responsible Personnel: ICS Dept. Assessment Coordinator

Measure: Programming Fundamentals II: Mobile Domain [NMAD-181] - UML Diagram
Course level; Direct - Student Artifact

Details/Description: Real world problem analysis - UML Diagram

Acceptable Benchmark: 80% of the students will score a 75% or higher on the UML Diagram

Implementation Plan (timeline): Each semester the NMAD-181 Programming Fundamentals II: Mobile Domain course is offered. Collected by ICS Dept. Assessment Coordinator.

Key/Responsible Personnel: ICS Dept. Assessment Coordinator

Measure: Programming Fundamentals II: Mobile Domain [NMAD-181] - UML Diagram - Code a Solution
Course level; Direct - Student Artifact

Details/Description: Real world problem analysis - UML Diagram

Acceptable Benchmark: Given a UML diagram, 80% of the students will score a 75% or higher in being able to correctly and efficiently code a solution.

Implementation Plan (timeline): Each semester the NMAD-181 Programming Fundamentals II: Mobile Domain course is offered. Collected by ICS Dept. Assessment Coordinator.

Key/Responsible Personnel: ICS Dept. Assessment Coordinator

Create effective and user-friendly mobile interfaces

Design, refine and finalize a functional and user-friendly cross-platform user interface

Measure: Mobile Application Development Capstone Projects Course [NMAD-290]
Course level; Direct - Student Artifact

Details/Description: Project TBD

Acceptable Benchmark: 80% of students will score a 2 or higher with a rubric scale 0-3 on the NMAD-289 Project

Implementation Plan (timeline): Each semester the NMAD-290 Mobile Application Development Capstone Projects course is offered. Collected by ICS Dept. Assessment Coordinator

Key/Responsible Personnel: ICS Dept. Assessment Coordinator

Measure: NMAD-250 Mobile App Design Elements
Course level; Direct - Student Artifact

Details/Description: Final Project

Acceptable Benchmark: 80% of the students will earn a 75% or higher score on the NMAD Mobile App Design Elements Final Project

Implementation Plan (timeline): Each semester the NMAD-250 Mobile App Design Elements course is offered.
Collected by ICS Dept. Assessment Coordinator

Key/Responsible Personnel: ICS Dept. Assessment Coordinator

Publish applications across multiple platforms

Create, secure, test and maintain mobile applications for two or more platforms

Measure: Mobile App Development II [NMAD-270]
Course level; Direct - Other

Details/Description: Final Exam or instructor evaluation (Project TBD)

Acceptable Benchmark: 80% of the students will score a 75% or higher on the NMAD-270 Final Exam or Project (TBD)

Implementation Plan (timeline): Each semester the NMAD-270 Mobile App Development II course is offered
Collected by ICS Dept. Assessment Coordinator

Key/Responsible Personnel: ICS Dept. Assessment Coordinator

Measure: Mobile Application Development Capstone Projects Course [NMAD-290]
Course level; Direct - Student Artifact

Details/Description:

Acceptable Benchmark: 80% of students will score a 2 or higher with a rubric scale 0-3 on each section of the Capstone Project(s)

Implementation Plan (timeline): Each semester the NMAD-290 Mobile Application Development Capstone Projects course is offered. Collected by ICS Dept. Assessment Coordinator.

Key/Responsible Personnel: ICS Dept. Assessment Coordinator

Utilize effective professional communication and collaboration skills

Demonstrate effective verbal and written communication skills

▼ **Measure:** Mobile App Development II [NMAD-270]
Other level; Indirect - Other

Details/Description: Team Project

Acceptable Benchmark: 100% of the students will demonstrate effective interpersonal and communication skills on the team project rubric (peer and faculty evaluations)

Implementation Plan (timeline): Each Semester NMAD-270 Mobile App Development II is offered. Collected by ICS Dept. Assessment Coordinator.

Key/Responsible Personnel: ICS Dept. Assessment Coordinator

Work effectively as a member of a team

▼ **Measure:** Mobile Application Development Capstone Projects Course [NMAD-290]
Course level; Direct - Other

Details/Description:

Acceptable Benchmark: 100% of students will score a 2 or higher with a rubric scale 0-3 on project section sections related to interpersonal and communication skills

Implementation Plan (timeline): Each semester the NMAD-290 Mobile Application Development Capstone Projects course is offered. Collected by ICS Dept. Assessment Coordinator.

Key/Responsible Personnel: ICS Dept. Assessment Coordinator

Indicate overall satisfaction with the program and courses

Synthesize educational experience to determine level of satisfaction

▼ **Measure:** Student Satisfaction Survey
Program level; Indirect - Survey

Details/Description: Student satisfaction survey instrument. When the survey instrument is developed, indicate specific survey items that you will use for assessment of this outcome.

Acceptable Benchmark: 85% of students graduating will indicate "satisfaction" with Mobile Application Development courses and the program on the Student satisfaction survey instrument.

Implementation Plan (timeline): Collection: Annually at the end of the fall semester beginning AY 2019/2020

Key/Responsible Personnel: ICS Dept. Assessment Coordinator

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