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

SLO 1: Knowledge of engineering management methods
Demonstrate knowledge of engineering management methods for use in technology organizations.

Related Measures

M 1: Capstone project
Capstone project rated by graduate faculty members using a departmental rubric.
Source of Evidence: Capstone course assignments measuring mastery
Target:
80% will score at ‘satisfactory’ or above on the rubric.

M 2: Score on capstone project
Student's score in ENMG 6095 Capstone Project
Source of Evidence: Academic direct measure of learning - other
Target:
80% will score at ‘satisfactory’ or above.

SLO 2: Knowledge of technical organizations
Demonstrate knowledge of technical organizations at a strategic level, and the role and practices of the various business functions.

Related Measures

M 3: Business strategy game defense
Student's relative score on the business strategy game defense.
Source of Evidence: Academic direct measure of learning - other
Target:
80% will score at or above the 60th percentile.

SLO 3: Effective engineering management
Demonstrate the ability to use modern tools for effective engineering management.

Related Measures

M 1: Capstone project
Capstone project rated by graduate faculty members using a departmental rubric.
Source of Evidence: Capstone course assignments measuring mastery
Target:
80% will score at ‘satisfactory’ or above.

M 4: Project Management
Student's score in relevant projects within ENMG 6120 Project Management
Source of Evidence: Project, either individual or group
Target:
80% will score at ‘satisfactory’ or above.

SLO 4: Communicate effectively
Demonstrate the ability to communicate effectively.

Related Measures

M 5: Capstone project defense
Capstone project defense rated by graduate faculty members using a departmental rubric.
Source of Evidence: Academic direct measure of learning - other
Target:
80% will score at ‘satisfactory’ or above on the rubric.

SLO 5: Conduct research
Demonstrate the ability to conduct research in engineering management theory or practice.

Related Measures

M 6: Research Project
Faculty evaluation of a sample of research projects within ENMG 6120 - Project Management.
Source of Evidence: Project, either individual or group
Target:
80% will score at ‘satisfactory’ or above.