Master of Science in Mechanical Engineering (MSME)
Student Learning Outcomes Assessment Plan

Master of Science in Mechanical Engineering (MSME) Student Learning Outcomes	
SLO 1	An ability to apply knowledge of advanced mathematics, science & engineering to identify, formulate and solve advanced engineering problems
SLO 2	An ability to communicate effectively
SLO 3	An ability to use the techniques, skills and modern engineering tools necessary for engineering practices
SLO 4	A knowledge of contemporary issues

Assessment Plan Cycle

Year	Activities
AY 2017-18	Assessment of Student Learning Outcomes (Cycle 1)
AY 2018-19	Assessment of Student Learning Outcomes (Cycle 1)
AY 2019-20	Assessment Data Analysis/Evaluation/Continuous Improvement
AY 2020-21	Assessment of Student Learning Outcomes (Cycle 2)
AY 2021-22	Assessment of Student Learning Outcomes (Cycle 2)
AY 2022-23	Assessment Data Analysis/Evaluation/Continuous Improvement, Program performance Review (PPR) Self-Study Preparation

Assessment Methods

Methods	Activities
Direct Assessment	Direct assessment of student learning outcomes is accomplished through the direct evaluation of students' work (e.g., projects, homework, exam questions, etc.) by faculty
Indirect Assessment	Indirect assessment of student learning outcomes is accomplished through some of the following surveys such as: (a) course evaluations, (b) exit survey, (c) industrial advisory board/employer survey, and (d) alumni survey

Expected Level of Achievement for Student Learning Outcomes

Average Scores of 3.5 or Better on a 5.0 Scale
Achieving 80% Ratings in Excellent, Above Average and Average Categories

For the most up-to-date information, please contact the program.