

Course Assessment Summary
COE 305 Microprocessor System Design (3-3-4)
Term 062

Course Learning Outcomes

1. Ability to apply knowledge of mathematics, probability and engineering in microprocessor system design.
2. Ability to design and conduct experiments related to microprocessor based system design and to analyze their outcome.
3. Ability to design, debug and test a small scale microprocessor based system.
4. Ability to function as an effective team member.
5. Ability to identify, formulate and solve engineering problems in microprocessor based system design.
6. Ability to use design tools for microprocessor system design, test and evaluation.
7. Ability to engage in self-learning for a small subset of the course.

Section#	Source of Outcome Data	O1	O2	O3	O4	O5	O6	O7
2	Instructor Evaluation	66%	74%	75.2%	80%	75%	80%	58%
	Student Survey	82.5%	90%	87.5%	90%	62.5%	83.8%	80%
Overall	Assessment Rating	Achieved	Achieved	Achieved	Achieved	Needs Improvement	Achieved	Needs Improvement

Observations:

1. Minimum weight requirements were met for all learning outcomes except outcome 1.
2. Outcome 5 indicators do not represent course content covered. This resulted in a relatively lower score by the students.

Recommendations:

1. Revise minimum weights for outcomes as follows:
 - O1: 5%
 - O2: 5%
 - O7: 5%
2. Rewrite outcome indicators for Outcome 5 to represent the actual coverage of this outcome in the course syllabus.
3. Make self-learning assignments group-based and include a presentation in addition to the report.