

# Course Assessment Summary

## COE 400 System Design Laboratory (1-6-3)

### Term 062

#### Course Learning Outcomes

1. Ability to apply knowledge of mathematics, science and Engineering in design and analysis of different alternative implementations of a system's specification.
2. Ability to design and implement an embedded system starting from given specifications.
3. Ability to debug and test an embedded system.
4. Ability to identify, formulate, and solve engineering problems such as the selection of most appropriate solutions for solution criteria.
5. Ability to use tools to achieve design objectives.
6. Ability to function as an effective team member.
7. Ability to engage in self-learning.
8. Ability to communicate effectively.

Sec#	Source of Outcome Data	O1	O2	O3	O4	O5	O6	O7	O8
1	Instructor Evaluation	88%	86.6%	80%	85%	91.4%	88.75%	80%	88%
	Student Survey	90.75%	96.75%	90.75%	86.75%	94.5%	84%	78.75%	89.25%
2	Instructor Evaluation	69.11%	74.78%	83.78%	73%	74.47%	84.93%	76%	81.6%
	Student Survey	87.5%	89%	81.25%	76.5%	76.5%	92%	87.5%	90.5%
Overall	Assessment Rating	Achieved	Achieved	Achieved	Needs Improvement	Needs Improvement	Achieved	Achieved	Achieved

#### Observations:

1. Instructor of section 1 thinks that outcomes 4&5 need improvement.
2. Minimum weight requirement is not met for Outcome 4 for section 2.
3. Outcome 6 is not well represented in the course evaluation.

#### Recommendations:

1. Assessment of Outcomes 4 & 5 needs to be improved.
2. Outcome 6 needs to be more emphasized in course evaluation as the project nature is team work.