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

SLO 1: Ability to apply knowledge
Graduates receiving the B.S. in Civil Engineering will have the ability to apply knowledge of mathematics, science and engineering to identify, formulate, and solve engineering problems.

**Related Measures**

- **M 1:** Sr Seminar Proficiency exam.
  - Source of Evidence: Academic direct measure of learning - other
  - **Target:** 100 % passing.

- **M 2:** NCEES FE test.
  - Source of Evidence: Standardized test of subject matter knowledge
  - **Target:** 100% score within 1 std dev of Nat avg.

SLO 2: Ability to design and conduct experiments
Graduates receiving the B.S. in Civil Engineering will have the ability to design and conduct experiments as well as analyze and interpret data.

**Related Measures**

- **M 3:** Specific mapped courses
  - Source of Evidence: Academic direct measure of learning - other
  - **Target:** 100% score at least at a level of 2.5 of 4.

- **M 4:** Alumni/Industry/Employer surveys.
  - Source of Evidence: Alumni survey or tracking of alumni achievements
  - **Target:** 80% at a “satisfactory” level or better.

SLO 3: Ability to design a system
Graduates receiving the B.S. in Civil Engineering will have the ability to design a system, component or process to meet desired needs within realistic constraints, economic, political, environmental, social, ethical, health, sustainability and manufacturability.

**Related Measures**

- **M 3:** Specific mapped courses
  - Source of Evidence: Academic direct measure of learning - other
  - **Target:** 100% score at least at a level of 2.5 of 4.

- **M 4:** Alumni/Industry/Employer surveys.
  - Source of Evidence: Alumni survey or tracking of alumni achievements
  - **Target:** 80% at a “satisfactory” level or better.

SLO 4: Techniques, skill, and modern engineering tools
Graduates receiving the B.S. in Civil Engineering will have the ability to use the techniques, skill and modern engineering tools necessary for engineering practice.

**Related Measures**

- **M 3:** Specific mapped courses
  - Source of Evidence: Academic direct measure of learning - other
  - **Target:** 100% score at least at a level of 2.5 of 4.

- **M 4:** Alumni/Industry/Employer surveys.
Alumni/Industry/Employer surveys.
Source of Evidence: Alumni survey or tracking of alumni achievements

**Target:**
80% at a “satisfactory” level or better.