

Curriculum and Laboratory Development on Condition Monitoring and Diagnosis with Application to Nuclear Power Generation

Executive Summary

For part of this project, laboratory equipment will be acquired or fabricated in-house, and hands-on training on rotating machinery and electric cable predictive maintenance will be introduced in the undergraduate engineering curriculum at Texas A&M University-Corpus Christi, a Hispanic-Serving Institution. The proposed effort will provide a learning environment for students to gain understanding of turbines, generators, motors and pumps, condition monitoring and diagnosis, and electric cable degradation, thus increasing students' preparedness to pursue careers in the nuclear industry.

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