**Abstract**

This report contains details of the compulsory industrial training required for the Master of Engineering degree at the University of New South Wales.

# 1 Introduction

* 1. **Taishan Nuclear Power Joint Venture Co.,LTD**

I worked as a performance test engineer in the Technique Branch of Taishan Nuclear Power Joint Venture Cooperation, which located in Guangdong province, China.

# Engineers Australia Competencies

* 1. **Knowledge and Skill Base**
  2. **Comprehensive, theory based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline.**

My work at TNPJVC is mostly the vibration analysis of pumps, fans and pipes. It required me to have a comprehensive understanding of the vibration and machine condition monitoring knowledge and engineering principles.

I had completed the Fundamental & Advanced Vibrations course (MECH4305) and Machine Condition Monitoring (MECH9223) at university. The MECH4305 course gave me a firm understanding of the kinematic and dynamic knowledge of vibration, while the MECH9223 course enhanced my practical skills and engineering disciplines of how to perform vibration measurement and diagnosis process.

* 1. **Engineering Application Ability**
  2. **Professional and Personal Attribues**

# Reflection & Conclusion