

WSQ Precision Engineering Advanced Certificate

WSQ COURSE NAME : Develop Product in Virtual Environment – Intermediate

PRODUCT COURSE NAME : NX Intermediate Design & Assemblies

TRAINING DURATION : 4 x 8hrs sessions

* Creditable for QUT Master program and Continuing Development (CPD) courses offered by the Professional Engineers Board (PEB) Singapore.

*** Singaporeans and Permanent Residents may receive up to 90% funding on course fees from the Singapore Workforce Development (WDA). Terms and conditions apply.**

OBJECTIVES

This Competency Standard has been designed to take the students further on the path of productivity by teaching all the essential features of creating advanced part and the advanced assembly features that are used most often.

The Standard introduces the real life scenario of how to build parts with advanced features, assemble them and perform advanced manipulation of that assembly seamlessly. Various techniques of advanced part and assembly modeling will be covered.

WHO SHOULD ATTEND

This Competency Standard is intended for Designers, Engineers and CAD/CAM Managers.

PRE-REQUISITES

Participants must have completed Develop Product in Virtual Environment – Basic.

COURSE SYLLABUS

- Sketching
- Associative Offset Curves
- Expressions
- Duplicating Features
- Assembly functions
- Part Families
- Top/down assembly modeling
- Assembly Arrangements
- Face Operations
- Extract and Delete Face
- Inter-part modeling
- Inter-part expressions



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- Variable and Overflow blends
- Component Arrays
- Revise & Replace Components

Each course chapter is followed by "hands-on" workshops and exercises.

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