

CSWP Refresher Course Outline

 DURATION/TIME 1 Days 9:00 am - 5:00 pm	 METHODOLOGY Practical hands-on and case studies.
 PREREQUISITES Experience with the Windows™ Operating System. Attended SOLIDWORKS Essentials training course	 TARGET Application Engineer, R&D Engineer, Product Designer or Engineer, and Industrial Engineer

INTRODUCTION

SolidWorks Certifications can be used as a benchmark to measure your knowledge and competency with SolidWorks software. A Certified SolidWorks Professional is an individual that has successfully passed our advanced skills examination. Each CSWP has proven their ability to design and analyze parametric parts and moveable assemblies using a variety of complex features in SolidWorks.

OBJECTIVE

At the end of this program participants are expected to:

- Get formal recognition of achievement
- Online certificate access
- Professional credibility with proven engineering competencies
- Membership to the community CSWP

CONTACT

IME CADCAM RESOURCE CENTRE SDN BHD
Certified ISO 9001:2015 QMS

 www.training.cadcam.com.my

 training@cadcam.com.my

 +6019-659 2186



CSWP Refresher

DAY 1

Course Outline:

Segment 1:

- Creating a part from a drawing
- Using linked dimensions and equations to aid in modeling
- Using equations to relate dimensions
- Mass property analysis
- Updating parameters and dimension sizes
- Modifying geometry on initial part to create a more complex part
- Modifying parameters on the part at different stages while maintaining all other dimensions and design intent

Segment 2:

- Creating configurations from other configurations
- Changing configurations
- Creation of configurations using a Design Table
- Mass properties
- Changing and/or rearranging features of an existing SOLIDWORKS part

Segment 3:

- Creating an assembly
- Adding parts to an assembly
- Doing collision detection when moving a part in an assembly
- Interference detection
- Basic and advanced mates
- Rigid and flexible subassemblies
- Replacing a part with another part in an assembly
- Creating a coordinate system
- Using a coordinate system to perform mass properties analysis

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