

## **CERTIFIED SOLIDWORKS ASSOCIATES (CSWA)**

- Duration** : 3 hours
- Methodology** : Practical hands-on and case studies.
- Target** : ✓ Students of University, College, Secondary School  
✓ School leavers



- Objective** : **SolidWorks Certifications** can be used as a benchmark to measure your knowledge and competency with SolidWorks software.  
**CSWA** certification is proof of your SolidWorks® expertise with cutting-edge skills that businesses seek out and reward.

- Recommended Training** : To ensure a consistent learning experience for all students, participants should have:  
✓ **Attended SolidWorks Essentials**

- Passing Grade** : Minimum 70%
- Rewards** :  
❖ **Electronics Certificate**  
❖ **An International recognized certificate**  
❖ **CSWA LOGO**  
❖ **Certification Directory / Portal**

- Re-test Policy** : There is a minimum 30 day waiting period between every attempt of the CSWA exam.



### **PETALING JAYA**

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**Exam features hands-on challenges in these areas:**

- Sketch entities - lines, rectangles, circles, arcs, ellipses, centerlines
- Sketch tools - offset, convert, trim
- Sketch relations
- Boss and cut features - extrudes, revolves, sweeps, lofts
- Fillets and chamfers
- Linear, circular, and fill patterns
- Dimensions
- Feature conditions – start and end
- Mass properties
- Materials
- Inserting components
- Standard mates - coincident, parallel, perpendicular, tangent, concentric, distance, angle
- Reference geometry – planes, axis, mate references
- Drawing views
- Annotations

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