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SMART DESIGN

INNOVACION | INDUSTRIA | DISEÑO | TECNOLOGIA

Part Design Specialist

Una Empresa del Grupo XCERT

DASSAULT SYSTEMES

Especificaciones

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¿A quién va dirigido?

Personas interesadas en aprender metodologías de Diseño Asistido por Computadora usando el software Catia V5 siguiendo las normativas y metodologías del grupo VW. Al finalizar el curso estarán preparados para hacer el examen de Certificación de Dassault con validez Internacional. No se necesitan conocimientos previos del software sin embargo es deseable tener conocimientos básicos de herramientas CAD.

Al finalizar el programa el participante sabrá:

- Usar Elementos 3D para crear modelos matemáticos.
- Crear Sketch-Based Features avanzados.
- Applicar Dress-Up Features avanzados.
- Diseñar utlizando Operaciones Booleanas.
- Diseñar utilizando la metodología MML (Multi- Model Linking).
- Analizar partes (Desmoldeo, Curvatura, etc.)
- Anotar partes para revisión de especificaciones.
- Crear planos utilizando el modulo de Drafting.
- Las metodologías y normativas del grupo VW.

Inicio: Lunes 1 de octubre de 2013

Horario: Lunes y Miércoles de 7PM a 10PM.

Duración: 48 horas

Precio Curso: $ 7000.00 MXN

Precio Certificado: $ 140.00 USD

Inversión

CONCEPTO	MENSUALIDADES												INV. TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	
3 meses	$ 2,453.22	$ 2,453.22	$ 2,453.22										$ 7,359.67
6 meses	$ 1,256.01	$ 1,256.01	$ 1,256.01	$ 1,256.01	$ 1,256.01	$ 1,256.01							$ 7,536.07
12 meses	$ 667.69	$ 667.69	$ 667.69	$ 667.69	$ 667.69	$ 667.69	$ 667.69	$ 667.69	$ 667.69	$ 667.69	$ 667.69	$ 667.69	$ 8,012.27
2 parcialidades (efectivo, transferencia, cheque	$ 3,500.00	$ 3,500.00											$ 7,000.00

*Para el pago a mensualidades comunicarse a nuestro teléfono al 222-214-4458 o por email a ventas@inditeq.com.

Bancario:

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En nuestras oficinas:

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Blvd. Vía Atlixcayotl 5506, suite 203

Col. Reserva Territorial Atlixcayotl

Una Empresa del Grupo CERT

Después de hacer el pago favor de mandar copia de la ficha de deposito a ventas@Inditeq.com

CV del Instructor

Educación	- **Ingeniero Mecánico Administrador ITESM Campus Monterrey**	- **Diplôme Ingénieur ENIM (Bac+5)** - **Master en Conception Assistée par Ordinateur**
Idiomas	Español, Inglés, Francés, Alemán	
Áreas de especialización	**Interiores:** • Ensamble Tablero • Ensamble Revestimientos de Puertas • Consola Central • Revestimientos de Pilares • Bandeja Posterior	**Exteriores:** • Ensamble Fascia Trasera • Pilares Exteriores • Molduras Cromadas • Loderas plásticas • BIW Ensamble Cajuela **Motor:** • Aislantes de sonido y de calor.

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1. Introduction to the CATIA Sketcher
    1. Introduction
    2. What is a Sketch
    3. The Sketch Support
    4. Sketcher Workbench
    5. The Sketcher Environment
    6. Sketcher: Recomendations
    7. To Sum Up
2. Sketcher Geometry Management
    1. Introduction
    2. Sketcher Geometry Creation
    3. Sketcher Axis Creation
    4. Sketcher Geometry Re-limitation and Transformations
    5. Sketcher Geometry Modification
    6. Geometry Management Recommendation
    7. Additional Reference Material
    8. To Sum Up

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3.Sketcher Constraints Management

1.Introduction
2.Constrints Creation
3.Modification Of Constraints
4.Relation Between Dimensions
5.Constraint Management Recommendations
6.Additional Reference Material
7.To Sum Up

4.Sketcher Analysis Tools

1.Introduction
2.Performing a Quick Geometry Diagnosis
3.Sorting Sketches by their Solving Status
4.Additional Reference Material
5.To Sum Up

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3.Introduction to Part Design

1. What is Part Design
2. Accesing to Part Design Workbench
3. Part Design Interface
4. Part Design Terminology
5. To Sum Up

4.Basic Sketch-Based Features

1. Introduction
2. Creating Pads
3. Creating Shafts
4. Creating Holes
5. Creating Pockets
6. Creating Grooves
7. Creating a Solid by Combining Profiles
8. Limiting Features
9. Applying Materials
10. Sketck Based Features Recomendations
11. Additional Reference Material

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12. To Sum Up

5. Basic Design-Up Features

1. Introduction
2. Creating Drafts
3. Filleting
4. Chamfering
5. Threads and taps
6. Shelling a Part
7. Dress-Up Features Recommendations
8. Additional Reference Material
9. To Sum Up

6. Part Design Transformations

1. Introduction
2. Duplicating Features
3. Moving Features
4. Part Design Transformation Recommendation
5. Additional Reference Material
6. ToSum Up

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7. Part Design Modifications

1. Introduction
2. How Defining in work objet help Modifications
3. Reordering Features
4. Modifying Features
5. Part Design Modification Recommendation
6. Additional Reference Material
7. To Sum Up

8. Using 3D Elements to Create a Part

1. Introduction to Using 3D Elements to Create a Part
2. Local Axis
3. 3D Wireframe Elements
4. Holes/Pad not Normal to Sketch a Plane
5. Creating Pads and Pockets from Surfaces
6. Surface-Based Features

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7. 3D Constrins
8. Using 3D Elements To Create Parts Recomendation
9. To Sum Up

9. Sketch Based Features

1.Introduction to Sketch Based Features
2.Creating Ribs and Slots
3.Creating Stiffeners
4.Creating Multi-Sections Solid
5.Sketch Based Features Recommendations
6.To Sum Up

10. Part Manipulations

1.Itroduction to Part Manipulation
2.Scanning a Part
3.Design Using Boolean Operations

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4. Cut, Paste, Isolate, Break
5. Sharing Geometries
6. Sketch Selection whit Multi-Document Links
7. Part Manipulation Recommendation
8. Part Manipulation: Recap Exercise
9. To Sum Up

11. Dress Up Feaures

1. Introduction to Dres-Up Features
2. Advanced Drafts
3. Thickness
4. Removing Faces
5. Replacing a Face Whit a Surface
6. Dress Up Features Recommendations
7. To Sum Up

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12. Part Analysis

1. Introduction to Part Analysis
2. Analyzing Threads an Taps
3. Draft Analysis
4. Surfacic Curvate Analysis
5. Dynamic Sectioning
6. Part Analysis: Recap Exercises
7. To Sum Up

13. Annotations

1. Introduction to Annotations
2. Text Whit Leader
3. Annotations Recommendations
4. Annotations: Recap Exercises
5. To Sum Up

CATIA PART DESIGN SPECIALIST CERTIFICATION

Exam code: CAT-PDG-101-518/CAT-PDG-101-520

Product covered: CATIA V5R18 Part Design/ CATIA V5R20 Part Design

Topics covered:

Common tools: views manipulations and interface: (multi) selection, properties, compass, specification tree display, manipulations and behavior, symbols…

Sketcher: profile construction and modification, constraints creation, colors and display (graphism), symbols and attributes, analysis, grid and sketch tools, transformations, formulae…

Part Design: sketch-based features creation and modification, dress-up features creation and modification (pads, holes, pockets, grooves, shafts multi-pad, parameters and limits, fillets, drafts, chamfers, shells, thread and taps, etc.)

Transformations: General, Symmetry, Mirror, patterns…

Modifications: Reordering, activation, (manual) updates, delete, feature modifications, drag and drop.

Duration: 75 minutes

Number of questions: 70