

2026 IME TRAINING COURSES

SOLIDWORKS

PROGRAMME TITLE	DURATION	COURSE INTRODUCTION
Essentials	5 Days	Everything you need to know about SOLIDWORKS for building parametric models of parts and assemblies, and making drawings of those parts and assemblies.
Advanced Topics	5 Days	A collection of several advanced CAD modeling techniques. It includes selected lessons and exercises from SOLIDWORKS Assembly Modeling, Advanced Part Modeling, Surface Modeling, Sheet Metal and Weldments.
Advanced Part Modelling	3 Days	The Advanced Part Modelling course is for SOLIDWORKS users who need to create complex parts or just want to become more productive.
Advanced Assembly Modelling	3 Days	The Assembly Modelling course is a must for anyone who wants to master the use of SOLIDWORKS for creating and using assemblies.
Sheet Metal Design	3 Days	SOLIDWORKS Sheet Metal course is designed for users who need to learn how to model sheet metal parts that will be bent in a press brake.
Weldments (Structural Design)	2 Days	SOLIDWORKS Weldments can save up to 90% of your time. This is for any user who designs structures made out of components with constant profiles.
Routing - Piping and Tubing	2 Days	This course will focus on the routing techniques for piping and tubing.
Routing - Electrical	2 Days	This course will focus on the routing techniques for electrical.
Mold Design	3 Days	Mold Design course teaches you how to quickly generate the tooling for any given part and separate it into core and cavity components.
Simulation	3 Days	This course will introduce the participants to fundamental design validation tool for conducting static analysis.
Simulation Professional	2 Days	This course will introduce the participants to the design validation tool for conducting advanced analysis.
Simulation Premium: Nonlinear	2 Days	This course will introduce the participants to the nonlinear static structural behaviour of part and assembly models.
Simulation Premium: Dynamics	2 Days	This course will introduce the participants to the linear & nonlinear dynamic structural behaviour of parts and assemblies.
Simulation Motion	2 Days	This course will introduce the participants to the motion simulation for mechanism study.
Flow Simulation	2 Days	This course will introduce the participants to computational fluid dynamic (CFD) analysis for fluid flow and heat transfer studies.
Plastics Standard	1 Day	This SOLIDWORKS Plastics course teaches you how to use specialised simulation software tools to predict how melted plastic flows during the injection molding process.
Plastics Professional	2 Days	This SOLIDWORKS Plastics course teaches you how to use specialised simulation software tools to predict how melted plastic flows during the injection molding process. This course covers all the features and functions of SOLIDWORKS Plastics Professional (for part designers).
Plastics Premium	3 Days	The SOLIDWORKS Plastics course teaches you how to use specialised simulation software tools to predict how melted plastic flows during the injection molding process. This course covers all the features and functions of both SOLIDWORKS Plastics Professional and Premium (for part and mold designers).
SOLIDWORKS Electrical: Schematic	3 Days	This course will introduce the participants to 2D schematic design, including single line and multi-line diagram. Participants will also learn how to generate drawing output.
SOLIDWORKS Electrical: 3D	1 Day	This course will introduce the participants to electrical 3D features which include technique on integrating 2D schematic to SOLIDWORKS 3D and complete the drawing output.
SOLIDWORKS File Management	1 Day	File Management course will discuss about different techniques for managing CAD documents such as assembly, part and drawing documents.
SOLIDWORKS Composer	3 Days	SOLIDWORKS Composer course will discuss the fundamental skills and concepts central to complete publishing task.
Administering SOLIDWORKS PDM	2 Days	Fundamental skills and concepts central to the successful use of SOLIDWORKS PDM. The intended audience for this course is anyone who will setup and/or administer SOLIDWORKS PDM.

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Using SOLIDWORKS PDM	1 Day	Fundamental skills and concepts central to the successful use of SOLIDWORKS PDM. The intended audience for this course is anyone who will use and manage files with SOLIDWORKS PDM.
API Fundamentals	3 Days	How to use the SOLIDWORKS API (Application Programming Interface) to automate and customise SOLIDWORKS.
Visualize Standard	1 Day	This course teaches how to use the SOLIDWORKS Visualize software to create professional, high quality renderings, videos and VR outputs for marketing purposes. Focusing on Standard users.
Visualize Professional	2 Days	This course teaches how to use the SOLIDWORKS Visualize software to create professional, high quality renderings, videos and VR outputs for marketing purposes. Focusing on Professional users.
Inspection	1 Day	Learn the basics of working with SOLIDWORKS Inspection to automate the process of working with inspection documents.
CAM Standard	2 Days	Use SOLIDWORKS CAM Standard to generate, modify and post-process 2.5 axis milling toolpaths used for machining of SOLIDWORKS part files.
CAM Professional	2 Days	Use SOLIDWORKS CAM Professional and VoluMill™ to perform 3 plus 2 machining and generate, modify and post-process 2 axis turning toolpaths used for the machining of SOLIDWORKS part files.
CSWP Refresher	1 Day	This course will discuss the formats and requirements of the CSWP Exam, including case studies on how to solve the questions in the exam.
CSWA/CSWP Exam	1/2 Day	SOLIDWORKS Certifications can be used as a benchmark to measure your knowledge and competency with SOLIDWORKS software.
Upgrade (What's New SOLIDWORKS 2025)	1/2 Day	Discover the forefront design and innovation on the new feature updates in the latest release of SOLIDWORKS.

3DEXPERIENCE

PROGRAMME TITLE	DURATION	COURSE INTRODUCTION
3DEXPERIENCE Essentials	1 Day	Enable you to effectively perform the activities associated with the roles of the 3DEXPERIENCE platform: Collaborative Business Innovator, Collaborative Industry Innovator and Collaborative Designer for SOLIDWORKS.
3DEXPERIENCE SOLIDWORKS Premium	3 Days	The goal of this course is to teach users how to use the roles and applications included in the 3DEXPERIENCE SOLIDWORKS Premium package.
SOLIDWORKS Cloud	3 Days	Create both mechanical and complex-shaped products, frame structures, and sheet metal designs on cloud. Collaborate in real-time across disciplines, departments, and your entire business ecosystem, including customers, partners, and suppliers.

DRAFTSIGHT

PROGRAMME TITLE	DURATION	COURSE INTRODUCTION
DraftSight - 2D Drafting	2 Days	Use DraftSight 2D Drafting features to optimise your drawings and designs for manufacturability so you can maximise quality, avoid rework and decrease time to market.
DraftSight - 3D Drafting	3 Days	Use DraftSight 2D and 3D Drafting features to optimise your drawings and designs for manufacturability so you can maximise quality, avoid rework and decrease time to market.

INDUSTRIAL COURSES

PROGRAMME TITLE	DURATION	COURSE INTRODUCTION
Stack-Up Analysis	3 Days	Learn the calculation method that allows designers to control the overall tolerances from individual parts to the whole assembly.
Simulation-Driven Design	5 Days	This course will take the engineers through the three types of nonlinearities, and mesh refinement, with the objective of achieving accurate prediction of simulation FEA results.
Do It Right The First Time (DRIFT) Plastics Design	2 Days	This course looks at the various root causes of failed plastic parts so that participants can learn how to detect and deal with them.
Root-Cause Your Plastic Part Problems	2 Days	This course examines the possible root cause(s) of the variety of problems encountered during the production, assembly and usage of injection molded plastic parts.

2026 IME TRAINING COURSES SCHEDULE (JOHOR)

PROGRAMME TITLE	DURATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
SOLIDWORKS													
3D MODELLING													
SOLIDWORKS UPGRADE	1/2 Day	5	-	-	23	-	-	1	-	-	-	-	-
3DEXPERIENCE ESSENTIALS	1 Day	30	-	-	30	-	-	17	-	-	-	13	-
SOLIDWORKS ESSENTIALS	5 Days	12-16	-	-	13-17	-	-	6-10	-	-	5-9	-	-
SOLIDWORKS ADVANCED TOPICS	5 Days	-	-	2-6	-	11-15	-	27-31	-	7-11	-	23-27	-
DESIGN VALIDATION													
SOLIDWORKS SIMULATION	3 Days	12-14	23-25	9-11	13-15	13-15	22-24	13-15	10-12	21-23	12-14	10-12	7-9
SOLIDWORKS FLOW SIMULATION	2 Days	-	-	-	20-21	-	29-30	-	17-18	-	19-20	-	-
PROFESSIONAL CERTIFICATION													
CSWP REFRESHER CSWP	1 Day	-	3	-	2	-	3	-	19	-	19	-	7
CSWP EXAM	1/2 Day	-	10	-	9	-	10	-	26	-	26	-	14

PROGRAMME TITLE	DURATION	PROGRAMME TITLE	DURATION	PROGRAMME TITLE	DURATION
SOLIDWORKS		SOLIDWORKS		SOLIDWORKS	
3D MODELLING		DESIGN VALIDATION		DATA MANAGEMENT	
SOLIDWORKS ADVANCED PART MODELLING	3 Days	SOLIDWORKS SIMULATION PROFESSIONAL	2 Days	ADMINISTERING SOLIDWORKS PDM	2 Days
SOLIDWORKS ASSEMBLY MODELLING	3 Days	SOLIDWORKS SIMULATION PREMIUM: NONLINEAR	2 Days	USING SOLIDWORKS PDM	1 Day
SOLIDWORKS SURFACE MODELLING	3 Days	SOLIDWORKS SIMULATION PREMIUM: DYNAMIC	2 Days	API FUNDAMENTALS	3 Days
INDUSTRIAL-BASED TRAINING		SOLIDWORKS SIMULATION MOTION	2 Days	API FUNDAMENTALS OF SOLIDWORK PDM	2 Days
SOLIDWORKS SHEET METAL	3 Days	SOLIDWORKS PLASTICS STANDARD	1 Day	SOLIDWORKS FILE MANAGEMENT	1 Day
SOLIDWORKS WELDMENTS	2 Days	SOLIDWORKS PLASTICS PROFESSIONAL	2 Days	TECHNICAL DOCUMENTATION & PRESENTATION	
SOLIDWORKS MOLD DESIGN	3 Days	SOLIDWORKS PLASTICS PREMIUM	3 Days		
SOLIDWORKS ROUTING - PIPING AND TUBING	2 Days	CAM		SOLIDWORKS COMPOSER	3 Days
SOLIDWORKS ROUTING - ELECTRICAL	2 Days	SOLIDWORKS CAM STANDARD ESSENTIALS	2 Days	SOLIDWORKS VISUALIZE STANDARD	1 Day
SOLIDWORKS API FUNDAMENTALS	3 Days	SOLIDWORKS CAM PROFESSIONAL	2 Days	SOLIDWORKS VISUALIZE PROFESSIONAL	2 Days
2D DRAWING		ELECTRICAL DESIGN		2D DRAWING	
DRAFTSIGHT - 2D DRAFTING	2 Days	SOLIDWORKS ELECTRICAL : SCHEMATIC	3 Days	SOLIDWORKS DRAWINGS	2 Days
DRAFTSIGHT - 3D DRAFTING	3 Days	SOLIDWORKS ELECTRICAL : 3D	1 Day		

PROGRAMME TITLE	DURATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MASTERCAM													
MASTERCAM MILL (BASIC)	3 Days	19-21	4-6	2-4	6-8	5-7	3-5	13-15	4-6	7-9	12-14	3-5	2-4
MASTERCAM MILL (ADVANCE)	3 Days	26-28	9-11	10-12	20-22	20-22	22-24	22-24	12-14	22-24	21-23	18-20	15-17
MASTERCAM LATHE/C&Y	2 Days	7-9	-	16-17	-	26-28	-	27-29	-	28-30	-	24-26	-
MASTERCAM WIRE	2 Days	Upon Request/ To Be Advised											
MASTERCAM MULTI-AXIS	3 Days	Upon Request/ To Be Advised											
MASTERCAM ROUTER 3D	3 Days	Upon Request/ To Be Advised											
MASTERCAM ROUTER 5 AXIS	3 Days	Upon Request/ To Be Advised											
MASTERCAM SOLID	2 Days	Upon Request/ To Be Advised											
MASTERCAM TURN MILL 2D	5 Days	Upon Request/ To Be Advised											
MASTERCAM TURN MILL 3D	8 Days	Upon Request/ To Be Advised											
RENISHAW PRODUCTIVITY	2 Days	Upon Request/ To Be Advised											
MASTERCAM ART	1 Day	Upon Request/ To Be Advised											
PRACTICAL ON CNC	-	Upon Request/ To Be Advised											
MASTERCAM CERTIFICATION	3H	Upon Request/ To Be Advised											

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3D QUICK TOOLS													
3D QUICK PRESS	4 Days	Upon Request/ To Be Advised											
3D QUICK MOULD	3 Days	Upon Request/ To Be Advised											
3D QUICK FORM	1 Day	Upon Request/ To Be Advised											

PROGRAMME TITLE	DURATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
INDUSTRY COURSE													
Finite Elements Analysis (FEA)	2 Days	Upon Request/ To Be Advised											
Geometric Dimensioning & Tolerancing	3 Days	26-28	-	-	22-24	-	22-24	-	17-19	-	26-28	-	16-18
Jigs & Fixtures Design	2 Days	Upon Request/ To Be Advised											
Stack-Up Analysis	3 Days	Upon Request/ To Be Advised											
MyTRIZ Level 1	2 Days	Upon Request/ To Be Advised											
Industry 4.0 Technical Fundamental and Readiness	2 Days	Open for In-House/ Date Arrange Upon Request											
Simulation-Driven Design	5 Days	Upon Request/ To Be Advised											
Do It Right The First Time (DRIFT)	2 Days	Upon Request/ To Be Advised											
Plastics Design													
Root-Cause Your Plastic Part Problems	2 Days	Upon Request/ To Be Advised											



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