

2026 IME TRAINING COURSES

SOLIDWORKS

PROGRAMME TITLE	DURATION	COURSE INTRODUCTION
Design 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.
Drawings – ISO	3 Days	This course teaches participants how to create technical drawings for SOLIDWORKS Design parts and assemblies in accordance with ISO standards.
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.

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 (PENANG)

PROGRAMME TITLE	DURATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
SOLIDWORKS													
FUNDAMENTAL													
SOLIDWORKS DESIGN ESSENTIALS	5 Days	5-9	9-13	2-6	6-10	4-8	3-5 8-9	29-30 Jun 1-3 Jul	3-7	2-4 7-8	-	2-6	30 Nov 1-4 Dec
SOLIDWORKS ADVANCED TOPICS	5 Days	19-23	-	9-13	20-24	18-22	22-26	20-24	17-21	9-11 14-15	19-23	16-20	14-18
SOLIDWORKS UPGRADE	1/2 Day	28	-	-	29	-	-	29	-	-	-	-	-

PROGRAMME TITLE	DURATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MASTERCAM													
MILL	3 Days	12-14	9-11	2-4	6-8	4-6	3-5	6-8	3-5	1-3	19-21	2-4	1-3
MILL 3D	3 Days	26-28	-	9-11	-	18-20	-	20-22	-	7-9	-	16-18	-
LATHE WITH C&Y-AXIS	3 Days	-	23-25	-	-	-	22-24	-	-	-	-	-	-
MULTI AXIS	3 Days	-	-	-	20-22	-	-	-	17-19	-	-	-	-

PROGRAMME TITLE	DURATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
CSWP													
CSWP BRIEFING	1 Day	15	-	12	-	14	-	8	-	-	-	12	-
CSWP EXAM	1/2 Day	29	-	30	-	25	-	30	-	-	-	26	-
CSWPA													
CSWPA BRIEFING - SHEET METAL	1/2 Day	14	-	-	16	-	-	9	-	-	15	-	-
CSWPA EXAM - SHEET METAL	1/2 Day	30	-	-	30	-	-	31	-	-	29	-	-
CSWPA BRIEFING - DRAWING TOOLS	1/2 Day	-	6	-	-	15	-	-	13	-	-	13	-
CSWPA EXAM - DRAWING TOOLS	1/2 Day	-	25	-	-	25	-	-	27	-	-	27	-
CSWPA BRIEFING - WELDMENT	1/2 Day	-	-	13	-	-	10	-	-	1	-	-	10
CSWPA EXAM - WELDMENT	1/2 Day	-	-	31	-	-	19	-	-	17	-	-	22
CSWPA BRIEFING - SURFACE/MOLD	1/2 Day	-	-	-	17	-	-	-	14	-	16	-	11
CSWPA EXAM - SURFACE/MOLD	1/2 Day	-	-	-	30	-	-	-	28	-	30	-	23
CSWPE													
CSWE BRIEFING	1/2 Day	-	-	-	-	-	11	-	-	3	-	-	-
CSWE EXAM	1/2 Day	-	-	-	-	-	25	-	-	18	-	-	-



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