AP100 CAD/Punch CAM Training Schedule			
Day	**Time**	**Topic**	**Contents**
1st Day **AP100 CAD**	09:00 ~ 09:15	Introduction	Introduction and Facility orientation
	09:15 ~ 09:45	AP100 Introduction	Application Start-up, Mouse Operation & AP100 On-line Manual & How to Use doc.
	09:45 ~ 10:45	Parameter Settings for CAD	AP100 Main Menu, Material Definition & Bend Deduction (simple and K-Factor)
		Break (15 mins.)	
	11:00 ~ 12:00	AP100 CAD Screen outline	Screen Overview, Co-Ordinate System, Specification Setup
	12:00 ~ 13:00	AP100 CAD - Exercise 1 (SAMPLE-A)	Process Setup -> Face Creation -> Face Attachment -> 3D Modification -> Merge data --> Save Data
		Lunch Break (1 Hrs.)	
	14:00 ~ 14:30	Hole Pattern	Single Hit, LAA, ARC, BHC, GRID-X & GRID-Y
	14:30 ~ 15:00	Bending Parameter	Face Extrusion & Attachment Dialogue box
	15:00 ~ 15:45	3D Modification	Setback and Trim Overlap, 3D Edit, 3D Dimension Display, Orthographic Output
		Break (15 mins.)	
	16:00 ~ 17:00	Practice Session	AP100 CAD Practice (Using PDF data)
	17:00 ~ 17:15	Q & A	
2nd Day **AP100 CAD**	09:00 ~ 09:15	Review	1st Day Review
	09:15 ~ 09:45	Import e-Data (DXF/DWG)	Graphic transformation Setting, Scale Verification, Layer Setup & Supported file formats
	09:45 ~ 10:45	AP100 CAD - Exercise 2	Process Setup -> Import DXF -> Face Extraction -> Face Attachment -> 3D Modification -> Merge data --> Save Data
		Break (15 mins.)	
	11:00 ~ 12:00	Practice Session	AP100 CAD Practice (Using DXF data)
	12:00 ~ 12:15	Special Hole Recognition	SP hole creation in DXF data, Export to DXF & Conversion Setting for Special Hole recognition
	12:15 ~ 13:00	Practice Session	AP100 CAD Practice (Using DXF data)
		Lunch Break (1 Hrs.)	
	14:00~15:45	Practice Session	Exercises - Std. Drawing & Customer Drawings
		Break (15 mins.)	
	16:00 ~ 17:00	Practice Session	Exercises - Std. Drawing & Customer Drawings
	17:00 ~ 17:15	Q & A	Q&A session
3rd Day **AP100 CAM**	9:00 ~ 10:00	Basic Machine Specification	Machine, Turret, Tooling, NC Controller, Peripherals, etc.,
	10:00 ~ 10:45	Part Processing - Single Part programming and NC data Creation	Load Part, Process Setup, Condition Setup --> Assign Tools (Automatic) & Manual Assigning
			Joint Creation [Auto & Manual] & NC Creation
			Tooling Replacement, Process Order Change
		Break (15 mins.)	
	11:00 ~ 12:30	Simulation Practice Session	Verification of NC prog. Data, Exercise - All CAD data--> programming
	12:30 ~ 13:00	Special Forming Tooling	Marking, De-burring & Contouring process
		Lunch Break (1 Hrs.)	
	14:00 ~ 14:30	Part Processing - Multiple Part P	Load Part, Process Setup, Condition Setup --> Assign Tools (Automatic)
			Manual Assigning, Part/Program Editing
			Joint Creation [Auto & Manual], NC Creation, Simulation
	14:30 ~ 15:15	Practice Session	Exercise - All CAD data--> programming
	15:15 ~ 15:30	Sheet Processing - Nesting	Load Addition - Part & Program, Condition Setup --> Assign Tools (Automatic)
		Break (15 mins.)	
	15:45 ~ 16:00	Contd…	Manual Assigning, Part/Program Editing
			Joint Creation [Auto & Manual] & NC Creation
	16:00 ~ 17:15	Practice Session	Exercise - All CAD data --> programming
4th Day **AP100 CAM**	9:00 ~ 09:15	Review	Course Review
	09:15 ~ 10:15	Sheet Processing - Nesting	CAD->CAM->NC Create->Simulation & Layout Mode
	10:15 ~ 10:45	Reposition & Special Tooling	Reposition, Fish Tail joint tool & SP tool
		Break (15 mins.)	
	11:00 ~ 12:00	Practice Session	Exercise - All CAD data--> programming
	12:00 ~ 13:00	Report Output	Sheet Info, Prog. List, etc.., Report output from Data Manager & NC create
		Lunch Break (1 Hrs.)	
	14:00 ~ 15:00	Parameter Settings for CAM	Machine Manager, Punch Master Manager, Tool Layout, WorkCentre, etc.,
	15:00 ~ 15:30	Practice Session	Machine Name Creation, Punch Tool Register & Tool Layout Creation
		Break (15 mins.)	
	15:45 ~ 17:00	Test and Feedback	Q & A session, TEST and Feedback session
	17:10 ~ 17:15	Certificate	Certificate Distribution to TEST Qualified members