S.No	Session	Topics	Туре	Duratio
		Getting started		(Hours)
	Session 1	Course overview	Theory/Demo	2.0hrs
		Introduction to Fusion		
		Intro to Fusion 360 User Interface		
		Intro to Fusion 360 Collaboration		
		Files management in Fusion 360		
		Conceptual design		
		Sketcher		
1		Create sketches using lines, circles, rectangles and arcs		
		Create sketches using splines and slots		
		Define sketch dimensions		
		Apply constraints to a sketch		
		Create advanced sketches using circular patterns		
		Create advanced sketches using rectangular patterns		
		Create advanced sketches using projections and intersections		
		Create sketch projections onto a surface and sketches including 3D geometry		
2	Session 2	Exercises included for Practice	Practicals	2.0hi
		3D component design		2.0hrs
3	Session 3	Feature modeling concepts	Theory/Demo	
5		Changing units in Fusion 360		
		Creating Tools : Extrude, Revolve, Sweep, Loft, Rib, Web And Emboss		
4	Session 4	Exercises included for Practice	Practicals	2.0hi
		Create construction planes	Theory/Demo	2.0hrs
5	Session 5	Modifying tools		
		Hole, Fillet, Chamfer, Draft, Shell and Thread		
6	Session 6	Exercises included for Practice	Practicals	2.0h
	Session 7	Modifying tools		
7		Move/ Copy, Pattern Feature and Mirror Feature	Theory/Demo	2.0hr
		Inspect Tool: Measure and Section Analysis		
8	Session 8	Exercises included for Practice	Practicals	2.0hr
	Session 9	Assemblies	Theory/Demo	2.0hrs
		Assemblies – Introduction		
		Assemblies – Joint		
9		As build joint		
		Rigid Group		
		Contact Set		
10	Cassian 10	Motion Link		
10	Session 10	Exercises included for Practice	Practicals	2.0hr
	Session 11	Product documentation	Theory/Demo	2.0hrs
		Introduction to drawing		
		Inserting new sheets, editing sheets		
11		Creating drafting views: Base View, Projected View, Detail View, Section view and Break View		
11		Modify tools: Move Rotate and Delete		
		Geometry Options: Centerline, Centermark, Centermark Pattern and Edge Extension		
		Adding Dimensions, Feature control Frame and Datum Identifier		
		Table Creation, Custom table, Bend Table, Baloons, Align Baloons and Renumber		
12	Session 12	Exercises included for Practice	Practicals	2.0hr
	Session 13	Free form modeling	Theory/Demo	
		Freeform modeling introduction		
		Freeform modeling tools : Create Box, Cylinder, Torus, Sphere and Insert Canvas		
13		Modifying Tools : Edit Form, Subdivide, Insert Edge, Merge Edge, Crease and Uncrease		2.0hrs
		Symmetry Tools: Mirror Internal, Circular Internal, Clear Symmetry, Isolate Symmetry.		
14	Session 14	Exercises included for Practice	Practicals	2.0hr
		Surface Design	Theory/Demo	2.0hrs
15	Session 15	- 0		
15	Session 15	Creating Tools : Extrude, Revolve, Sweep, Loft, Patch and Ruled	Theory/Demo	2.0h

	Essential in Fusion 360 (40 Hours)								
	Session 17	Design visualization		2.0hrs					
17		Design visualization introduction	Theory/Demo						
		Design Visualization tools : Appearance, Scene Settings, Decal and Texture map control							
		Incanvas Render, Incanvas Render setting, Capture Image and Render							
18	Session 18	Exercises included for Practice	Practicals	2.0hrs					
	Session 19	Sheet metal Design	Theory/Demo	2.0hrs					
19		About Sheet metal Rules							
19		Flange, Extrude, Bend, Unfold and Refold							
		Convert to sheet metal and Create Flat Pattern							
20	Session 20	Exercises included for Practice	Practicals	2.0hrs					