The Learning Center of the ABB University India
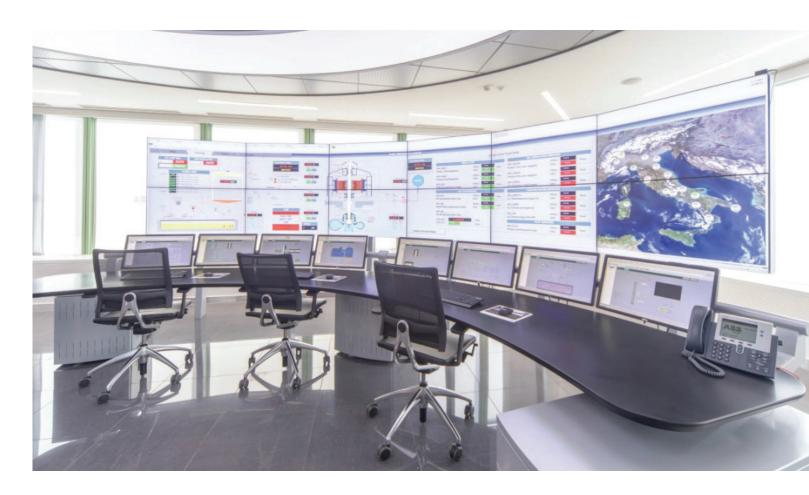
ABB - India

Training Schedule 2021

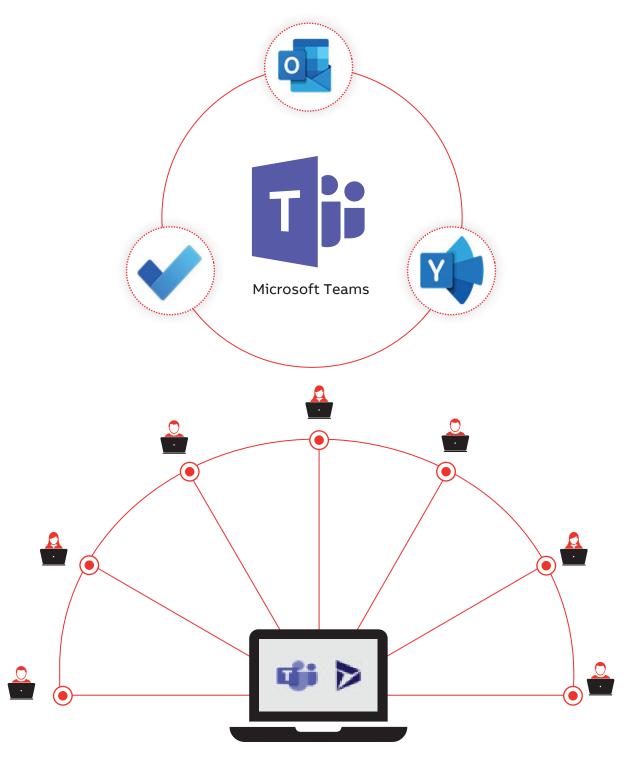|	July					August				September					October				November				December				
Week no	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	1(22)
Mon	28	5	12	19	26	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22	29	6	13	20	27
Tue	29	6	13	20	27	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23	30	7	14	21	28
Wed	30	7	14	21	28	4	11	18	25	1	8	15	22	29	6	13	20	27	3	10	17	24	1	8	15	22	29
Thr	1	8	15	22	29	5	12	19	26	2	9	16	23	30	7	14	21	28	4	11	18	25	2	9	16	23	30
Fri	2	9	16	23	30	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26	3	10	17	24	31
Sat	3	10	17	24	31	7	14	21	28	4	11	18	25	2	9	16	23	30	6	13	20	27	4	11	18	25	1
Sun	4	11	18	25	1	8	15	22	29	5	12	19	26	3	10	17	24	31	7	14	21	28	5	12	19	26	2

Course Name	Course No.	Days	Rates (USD)	Remarks
System 800xA - Basic Configuration	INT314	5	1,500	Mon-Fri
System 800xA - Operation	INT310	2	700	Mon-Tue
System 800xA Engineering	INT315C & H	10	2,800	Mon-Fri
Compact Control Builder (AC800M Controller)	INT365	2	800	Mon-Tue
Compact HMI800 Configurations	INT366	2	700	Thu-Fri
INT568 Freelance System Engineering	INT568	5	1,200	Mon-Fri

Course Types and Methodology

This is a Virtual Training course with Presentation ,
Demonstration and Hands-on Software Activities.
Demonstration, Presentation will be done through
Microsoft Teams Software and Hands-on training will
done through Virtual Machines hosted on Cloud System.

Microsoft Teams

Course Outline - T314
System 800xA with AC 800M Basic Application Modifications

Day 1	Day 2	Day 3	Day 4	Day 5
Course overview	AC 800M hardware	Structured Text	Communication	Historian and trends
System 800xA architecture	Libraries	Task assignment and memory	Sequential Function Charts (SFC)	Operator Workplace
Operation	Variables and data types	Control Modules	Alarm and events	Import and export
Engineering Workplace / Plant Explorer	Function Block Diagram	Diagrams	Graphic displays	
OPC connectivity				

Course Outline - T310
System 800xA Operation

Day 1	Day 2
Course overview	Basic control objects
Introduction to System 800xA	Alarm and events
Operator Workplace Navigation	Trending
Process control	System monitoring

Course Outline - T315C
System 800xA with AC 800M Engineering
Part 1 – Control Builder

Day 1	Day 2	Day 3	Day 4	Day 5
Course overview	AC 800M hardware	Diagrams	Control Modules	Communication
System 800xA architecture	Libraries	Structured Text	User defined object types	OPC connectivtiy
Engineering Workplace / Plant Explorer	Variables and data types	Task assignment and memory	Sequential Function Charts (SFC)	Project backup and ACM
Project and application structures	Function block diagrams			

Course Outline - T315H
System 800xA with AC 800M Engineering
Part 2 – Human System Interface

Day 6	Day 7	Day 8	Day 9	Day 10
Course overview	Faceplates	Alarm and events	Import and export	Document manager
Plant modeling	Historical data collection	Operator Workplace	Simple reports	National Language Support (NLS)
Graphic displays	Trend displays	Security	Workshop "Engineering"	Bulk data handling
Graphic elements				

Course Outline - INT568
Freelance System Engineering

Day 1	Day 2	Day 3	Day 4	Day 5
Course overview	Advanced configuration and commissioning	Standard displays	Sequential Function Charts (SFC)	System connectivity
Freelance system architecture	Applications with Function Block Diagram (FBD) and Structured Text (ST)	Trends	User function blocks	Bulk Data Manager
Control Builder F		Alarm and events		Import / export
Application structures		Logs and reports		System documentation
Course overview		Standard displays		System connectivity

Course Outline - T366
Compact HMI 800
Configuration and Operation

Day 1		Day 2	
Course overview	Object Types	Trends	Import and Export
Compact HMI 800 Overview	Alarm and events	Alarm and Events	Bulk Data Handling
System Handling	Graphic Displays	Operator Workplace Configuration	
Engineering Workplace	Graphic Elements	Security	
OPC Connectivity	Historian	Simple Reports	

Course Outline - T365
Configuring AC800M
Using Compact Control Builder

Day 1			Day 2
Course overview	Variables and Datatypes	Structured Text	Alarm Handling
Compact 800 Overview & Installation	Function Block Diagram	Task Assignment and Memory	Backup and Restore
Control Project	Graphic Displays	Control Modules	
AC800M Hardware	Graphic Elements	Sequential function Charts	
Libraries	Historian	Communication	