The Learning Center of the ABB University India

ABB - India
## Training Schedule 2021

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Course No.</th>
<th>Days</th>
<th>Rates (USD)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>System 800xA - Basic Configuration</td>
<td>INT314</td>
<td>5</td>
<td>1,500</td>
<td>Mon-Fri</td>
</tr>
<tr>
<td>System 800xA - Operation</td>
<td>INT310</td>
<td>2</td>
<td>700</td>
<td>Mon-Tue</td>
</tr>
<tr>
<td>System 800xA Engineering</td>
<td>INT315C &amp; H</td>
<td>10</td>
<td>2,800</td>
<td>Mon-Fri</td>
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<tr>
<td>Compact Control Builder (AC800M Controller)</td>
<td>INT365</td>
<td>2</td>
<td>800</td>
<td>Mon-Tue</td>
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<tr>
<td>Compact HMI800 Configurations</td>
<td>INT366</td>
<td>2</td>
<td>700</td>
<td>Thu-Fri</td>
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<tr>
<td>INT568 Freelance System Engineering</td>
<td>INT568</td>
<td>5</td>
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</tbody>
</table>

For More Details Contact:
Mr. Ranganatha HD
Email ID: ranganatha.hd@in.abb.com
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 be done through Virtual Machines hosted on Cloud System.
### Course Outline - T314
System 800xA with AC 800M Basic Application Modifications

<table>
<thead>
<tr>
<th>Day 1</th>
<th>Day 2</th>
<th>Day 3</th>
<th>Day 4</th>
<th>Day 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course overview</td>
<td>AC 800M hardware</td>
<td>Structured Text</td>
<td>Communication</td>
<td>Historian and trends</td>
</tr>
<tr>
<td>System 800xA architecture</td>
<td>Libraries</td>
<td>Task assignment and memory</td>
<td>Sequential Function Charts (SFC)</td>
<td>Operator Workplace</td>
</tr>
<tr>
<td>Operation</td>
<td>Variables and data types</td>
<td>Control Modules</td>
<td>Alarm and events</td>
<td>Import and export</td>
</tr>
<tr>
<td>Engineering Workplace / Plant Explorer</td>
<td>Function Block Diagram</td>
<td>Diagrams</td>
<td>Graphic displays</td>
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<tr>
<td>OPC connectivity</td>
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### Course Outline - T310
System 800xA Operation

<table>
<thead>
<tr>
<th>Day 1</th>
<th>Day 2</th>
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</thead>
<tbody>
<tr>
<td>Course overview</td>
<td>Basic control objects</td>
</tr>
<tr>
<td>Introduction to System 800xA</td>
<td>Alarm and events</td>
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<tr>
<td>Operator Workplace Navigation</td>
<td>Trending</td>
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<tr>
<td>Process control</td>
<td>System monitoring</td>
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## Course Outline - T315C
System 800xA with AC 800M Engineering
Part 1 – Control Builder

<table>
<thead>
<tr>
<th>Day 1</th>
<th>Day 2</th>
<th>Day 3</th>
<th>Day 4</th>
<th>Day 5</th>
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</thead>
<tbody>
<tr>
<td>Course overview</td>
<td>AC 800M hardware</td>
<td>Diagrams</td>
<td>Control Modules</td>
<td>Communication</td>
</tr>
<tr>
<td>System 800xA</td>
<td>Libraries</td>
<td>Structured Text</td>
<td>User defined object types</td>
<td>OPC connectivity</td>
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<td>Architecture</td>
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<tr>
<td>Engineering</td>
<td>Variables and data types</td>
<td>Task assignment and memory</td>
<td>Sequential Function Charts (SFC)</td>
<td>Project backup and ACM</td>
</tr>
<tr>
<td>Workplace /</td>
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<tr>
<td>Plant Explorer</td>
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<td>Project and</td>
<td>Function block diagrams</td>
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<tr>
<td>application</td>
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## Course Outline - T315H
System 800xA with AC 800M Engineering
Part 2 – Human System Interface

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<thead>
<tr>
<th>Day 6</th>
<th>Day 7</th>
<th>Day 8</th>
<th>Day 9</th>
<th>Day 10</th>
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</thead>
<tbody>
<tr>
<td>Course overview</td>
<td>Faceplates</td>
<td>Alarm and events</td>
<td>Import and export</td>
<td>Document manager</td>
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<td>Plant modeling</td>
<td>Historical data collection</td>
<td>Operator Workplace</td>
<td>Simple reports</td>
<td>National Language Support (NLS)</td>
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<tr>
<td>Graphic displays</td>
<td>Trend displays</td>
<td>Security</td>
<td>Workshop “Engineering”</td>
<td>Bulk data handling</td>
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<td>Graphic elements</td>
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## Course Outline - INT568
Freelance System Engineering

<table>
<thead>
<tr>
<th>Day 1</th>
<th>Day 2</th>
<th>Day 3</th>
<th>Day 4</th>
<th>Day 5</th>
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</thead>
<tbody>
<tr>
<td>Course overview</td>
<td>Advanced configuration and commissioning</td>
<td>Standard displays</td>
<td>Sequential Function Charts (SFC)</td>
<td>System connectivity</td>
</tr>
<tr>
<td>Freelance system</td>
<td>Applications with Function Block Diagram (FBD) and Structured Text (ST)</td>
<td>Trends</td>
<td>User function blocks</td>
<td>Bulk Data Manager</td>
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<tr>
<td>architecture</td>
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<tr>
<td>Control Builder F</td>
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<td>Alarm and events</td>
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<td>Import / export</td>
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<tr>
<td>Application structures</td>
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<td>Logs and reports</td>
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<td>System documentation</td>
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<tr>
<td>Course overview</td>
<td></td>
<td>Standard displays</td>
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<td>System connectivity</td>
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## Course Outline - T366
Compact HMI 800
Configuration and Operation

<table>
<thead>
<tr>
<th>Day 1</th>
<th>Day 2</th>
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<tbody>
<tr>
<td>Course overview</td>
<td>Object Types</td>
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<tr>
<td>Compact HMI 800</td>
<td>Alarm and events</td>
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<tr>
<td>Overview</td>
<td>Alarm and Events</td>
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<td>System Handling</td>
<td>Graphic Displays</td>
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<td>Engineering Workplace</td>
<td>Graphic Elements</td>
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<td>OPC Connectivity</td>
<td>Historian</td>
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<table>
<thead>
<tr>
<th>Day 2</th>
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<tbody>
<tr>
<td>Trends</td>
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<tr>
<td>Import and Export</td>
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<tr>
<td>Alarm and Events</td>
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<tr>
<td>Bulk Data Handling</td>
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<tr>
<td>Operator Workplace Configuration</td>
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<tr>
<td>Security</td>
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<tr>
<td>Simple Reports</td>
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</table>
## Course Outline - T365
Configuring AC800M Using Compact Control Builder

<table>
<thead>
<tr>
<th>Day 1</th>
<th>Day 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course overview</td>
<td>Variables and Datatypes</td>
</tr>
<tr>
<td>Compact 800 Overview &amp; Installation</td>
<td>Structured Text</td>
</tr>
<tr>
<td>Control Project</td>
<td>Alarm Handling</td>
</tr>
<tr>
<td>AC800M Hardware</td>
<td>Task Assignment and Memory</td>
</tr>
<tr>
<td>Libraries</td>
<td>Backup and Restore</td>
</tr>
<tr>
<td></td>
<td>Sequential function Charts</td>
</tr>
<tr>
<td></td>
<td>Communication</td>
</tr>
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- **Variables and Datatypes**
- **Structured Text**
- **Alarm Handling**
- **Task Assignment and Memory**
- **Backup and Restore**
- **Sequential function Charts**
- **Communication**