

**Essentials on Test Automation with Selenium**

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| **Day** | **Topics** |
| 1 | **Introduction to Python**: Environment setup, Basics |
| 2 | Installing Python bindings for Selenium |
| 3 | Instructions for Windows users |
| 4 | Installing from Git sources |
| 5 | Drivers - Downloading Selenium server |
| 6 | **Getting Started:** Simple Usage |
| 7 | Selenium to write First test |
| 8 | Walk-through of the example |
| 9 | Using Selenium with remote WebDriver |
| 10 | **Navigation**: Interacting with the page |
| 11 | Filling in forms |

Duration: 35 Hours

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| 12 | Drag and drop |
| 13 | Moving between windows and frames |
| 14 | Popup dialogs |

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| 15 | Navigation: history and location |
| 16 | Cookies |
| 17 | Locating Elements:Locating by Id, Name |
| 18 | Locating by XPath |
| 19 | Locating Hyperlinks by Link Text |
| 20 | Locating Elements by Tag Name, Class Name, CSS Selectors |
| 21 | Waits: Explicit Waits, Implicit Waits |
| 22 | WebDriver API |
| 23 | Exceptions, Action Chains, Alerts |
| 24 | Special Keys, Locate elements By, Desired Capabilities  25 Touch Actions |
| 25 | Touch Actions |
| 26 | Firefox WebDriver |
| 27 | Chrome WebDriver |
| 28 | Remote WebDriver |
| 29 | Color Support |
| 30 | Selenium Based Mini Project Using Python |

[**www.learning360.in**](http://www.learning360.in)

+91 9324993802 | Email: enquiry@learning360.in

309, 6th Floor Shivkripa Commercial, Above Waman Hari Pethe Jewellery Shop, Ghokle rd., Opp. Thane Railway Station, Thane – West P-400604