

**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 |

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