

Syllabus for BDD - Behavioral Driven Development Testing-L1			
Skill Name	BDD - Behavioral Driven Development Testing	Level	L1
Target Audience	Automation Testers	Leaning Hours	30 Hours approximately
Leaning Materials	Wipro Internal Videos	Learning Method	Videos

- Introduction – BDD
  - What is BDD?
  - Why use BDD?
  - What is TDD?
  - Agile testing methods
  - Cucumber Testing
  - Gherkin Language
  - [Overview](#) [SettingUp](#) [RubyCucumber](#)
- Web Testing with Ruby/Cucumber
  - Folder Structure – features, step\_definitons, support
  - Invoking water webdriver
  - Initiating different browsers
  - Identifying objects
  - Checkpoints – Assert, if-else conditions
  - [ScriptAuthoring](#) [GherkinLanguage](#) [AndRubyImplementation](#)
- Data Driven Testing
  - Using Text files
  - Using CSV files
  - Using Excel files
  - [UsageOfCSV](#) [TXT](#) [EXCEL](#)
- Parameterization
  - Implementation of Scenario Outline
  - Implementation of test data within the tool
  - Adding rows in test data
  - [DataDrivenTestsInCucumber](#) [ScenarioOutline](#)
- Different operations in Cucumber
  - Interpolation technique
  - Reusing the test steps
  - Same step definition for different test steps
  - Checkpoints
  - Optimizing the Ruby Code
  - [ModularizingGherkinStepsAndImplementation](#)
  - [OptimizingImplementation](#) [TextCheckpoint](#)
- Ruby
  - Working with Ruby
  - Syntax

- Predefined Functions
- Function Definitions
- Arrays
- Hashes
- Classes
- [WorkingWithRuby\\_Part1](#)
- [WorkingWithRuby\\_Part2](#)
- Command Line ,Tags and Hooks
  - Command Line Execution
  - Command Line Execution using tags
  - Introduction and use of hooks
  - [CommandLine\\_Tags\\_HooksAndReporting](#)
- Ruby Scripts using Selenium WebDriver
  - Invoking Selenium WebDriver
  - Implementation of find\_element
  - [DirectExecutionUsingSeleniumWebDriver](#)
- Generation of Reports
  - Export reports from RubyMine
  - Command Line Reports
  - [ReportGenerationInRubyCucumber](#)

### Instructions:

[Recommended way to access Learning Videos:](#)

(1) Use IE Browser only

(2) After you login it will ask for a Juniper client to install. It will ask for permission. DO NOT reject it. Let it go through

(3) Have Adobe flash player plugin installed

(4) Install <http://10.207.182.108:703/StandardSW/WebExRecorder/> this software and unzip and play those videos through this software.( For .wrf format)

### Gateway:

1. Accessing videos from outside Wipro Backbone is through <http://odcgateway.wipro.com/spezicoe>

Click on required Video category.