Introduction of API and WebServies:

1. What is API
2. What is WebSevice
3. What is Backend Architecture
4. REST vs SOAP API's
5. What are CRUD operations
6. What are different HTTP calls – GET/POST/PUT/DELETE
7. Live project examples

Postman:

1. Introduction
2. How to call REST API's in Postman
3. How to pass path parameters in Request
4. How to path query parameters in Request
5. How to set headers in Postman
6. How to pass JSON/XML payload
7. How to heck response status code
8. How to check JSPN/XML response message
9. Cookies manipulation
10. Header pre-sets
11. API history in Postman
12. How to add scrit assertions in Test

How to check the API's at the Network layer using developer tool of browser:

1. How to check backend services – API's running behind
2. What I developer tool in chrome
3. How to check request response of any Firefox/Chrome browsers

Authentication and Authorization:

1. NoAuth
2. Basic
3. OAuth1
4. OAuth2
5. Session Authentication
6. JWT Token

What are different HTTP Status response codes:
1. 100 series
2. 200 series
3. 30 series
4. 400 series
5. 500 series

RestAssured with Java:

1. RestAssured Overview
2. Cucumber BDD API framework overview
3. Request & Response specification
4. How to hit the API's with RestAssred libraries
5. Authorization
6. How to Authenticate with RestAssured code
7. Automate GET, POST, PUT, DELETE operations
8. POJO serialization and De- serialization
9. Dependency Injection
10. How to validate responses using assertions
11. How to pass security keys
12. Schema Validation, Multipart from data, file upload and download