Manual Testing

- **Software Testing**
  - Introduction to Software Testing
  - Objectives of Testing
  - Software Development Process
  - Project vs. Product
  - Error / Fault / Failure
  - Why Software has defects?
  - Most common defects Cost of fixing defects
  - What is Verification & Validation
  - Difference between QA & QC Role of a Tester
- **Software Development Life Cycle (SDLC)**

- **SDLC Phases**

- **SDLC Models**
  - Waterfall Model
  - V Model
  - RAD Model
  - Prototype Model
  - Spiral Model
  - Agile Model

- **Software Testing Methodologies**
  - Static Testing
  - White Box Testing
  - Black Box Testing
  - Gray Box Testing
- **Static Testing Techniques**
  - Reviews
  - Walkthroughs
- **White Box Testing**
  - Unit Testing

- Integration Testing

❑ **Black Box Testing**

- System Testing
- Method of Black Box Testing
- Method of Black Box Testing
- Equivalence Partitioning
- Boundary Value Analysis
- Decision Table
- State Transition
- User Acceptance Testing (UAT)
- Alpha Testing
- Beta Testing

❑ **System Testing and Types of System Testing**

- Smoke / Sanity Testing
- Formal Testing
- Priority Based/Risk Based Testing
- Ad-hoc Testing
- Re-Testing and Regression Testing
- End-to-End Testing
- Exploratory Testing
- Benchmark Testing
- Monkey Testing
- UI Testing
- Usability Testing
- Security Testing
- Performance Testing
- Load Testing
- Stress Testing
- Compatibility Testing
- Installation Testing
- Globalization Testing
- Localization Testing
- Recovery Testing

- **API Testing**
  - What is API
  - How API work
  - Major types of APIs (web services)
  - What is SOAP
  - What is REST
  - API Testing basics
- **Mobile Testing**
  - Introduction to Mobile Testing

    ✓ *What is Mobile Testing?*
    ✓ *Why is Mobile Testing Important?*
    ✓ *What Do You Need to Know to Be a Good Mobile Tester?*
    ✓ *Mobile Application SDLC*

  - Mobile Application Types

    ✓ *Mobile Web*
    ✓ *Native Apps*
    ✓ *Developer Tools*

- **Test Cases for testing a Mobile Application.**
  - Functional Testing Test Cases
  - Performance Testing
  - Security Testing Test Cases
  - Usability Testing Test Cases
  - Compatibility Testing Test Cases
  - Recoverability Testing Test Cases

- **Project Training on live websites**
- **Interview Preparation**