**Alvarex software testing course Outline**

**First week, Tue 3rd of October 2017.**

* **What is testing and why do we test**
* **Types of testing**

1. **Functional testing**

* **Integration testing or SIT**
* **System testing**
* **Regression testing**
* **Retesting**
* **Smoke test /Sanity testing**
* **UAT ( User Acceptance testing)**
* **Exploratory testing**
* **Database testing**
* **Post implementation testing**

1. **Non Functional testing**

* **Security testing**
* **Performance testing**
* **Usability testing**
* **Accessibility testing**

**Thursday, 5th of October 2017**

* **Software development lifecycle (SDLC) - Agile , V-model and Waterfall**
* **Test Plan**
* **Types of Environment**
* **Developers environment**
* **Test environment**
* **Staging**
* **Live**
* **Software testing Fundamentals**
* **Planning and control**
* **Analysis and design**
* **Implementation and Execution**
* **Evaluating Exit criteria and reporting**
* **Test closure**
* **Test design techniques**
* **Valid Boundary Analysis**
* **Equivalent partitioning**
* **Decision table**
* **State transition**

**2nd week Tuesday 10th of October 2017**

* **Development and testing tools**
* **Requirement management tools**
* **Build tools**
* **Defect management tools**
* **Automation testing tools**
* **What is requirement**
* **High level requirement, user story and acceptance criteria**
* **Test cases and BDD approach**

**Thursday 12th of October 2017**

* **Role of test Analyst in end to end development lifecycle**
* **Requirement refinement meeting**
* **Sprint planning – Estimation of task**
* **Daily stand-up meeting**
* **Mid sprint review**
* **Sprint retrospective**
* **Manual testing Activities**
* **What is Bug/Defect and how to login defect**

**3rd week Tuesday 17th of October 2017**

* **Version control system**
* **Git, SVN, Subversion and Mercuria etc**
* **Performance testing using Jmeter**

**Thursday 19th of October 2017**

* **Webservice testing using soapui**
* **Introduction to sql using sql server management studio**
* **Introduction to Mobile testing**

**4th week Tuesday 31st of October**

* **Introduction to automated testing**
* **Accessibility testing using wave**
* **Security testing using ZAP**

**Thursday 2nd of November**

* **Continuation of automated testing**
* **Interview question and CV review**

**5th week 7th of November**

* **Interview questions continuation**

**Ongoing support for interview and wish you guys all the very best in your job search**