Introduction To Mobile Application Testing

- Mobile application testing is a process of testing application which are developed for hand held mobile devices
  Or
- Testing performed on the Applications that are developed for running on supported mobile devices
- The Focus of testing is the Functionality, Usability, Performance and Security
- Example:Testing Whatsapp Mobile App

Need Of Mobile Application:

The need for a mobile application is arising to do our daily work. In today's busy and hectic lifestyle, we want to do meaningful work in our daily routine.

Here are few exam Like:

- We want to pay an electricity bill.
- There is a need to communicate with the manager and submit the report.
- Want to look for the nearby store

There is one solution for all these works: we need the below things to do our daily work in a second.

- Need for Smartphone
- Internet Connectivity
- A mobile application to do the work

We can smartly do our daily work by using our smartphones.
To use the mobile phones, we need the properly tested mobile apps so that the more and more users like the application. It is the user experience that makes the mobile application successful.

Approaches for Test Mobile Application:

1.Manual:

● Manual testing is a human process.
● The primary focus of manual testing is on the experience of the user.
● Manual Testing ensures that the application work on the standard of user-friendliness.
● Manual testing is generally the time-consuming process because the process is to find out the bugs will take time.

2.Automation

● The manual testing is time consuming so we will automate mobile tets cases so it will reduce the testing time● Automation Testing increases the efficiency of testing.
● In the automation testing, we can perform the same test scripts again and again

Types Of Mobile Applications:

Native Mobile Apps:

● Native mobile apps are exclusively built for a specific type of operating system.
● They are called a native because they are native to a particular device or platform.
● Apps built on one type of operating system cannot be used on another operating system.
● In other words,Android apps can't be used on the iphone.
● The code base is different for Android and iOS.
● Performance is faster as compared to Hybrid
● User experience is high
● More secure

Hybrid Mobile Apps:

- It is combination of hardware Native + Web apps

● For Hybrid mobile apps not specific for Operating system and platform.
● It means single code base for Android as well as for iOS
● It means app designed for Android that we use for iOS as well
● The performance is slower than native app
● User experience is low as compared to native apps
● Less secure than native apps

Mobile Web Apps:

● Mobile apps are the server-side apps. We can access the mobile web apps on mobile by using the different browsers like Chrome, Firefox, after connecting the mobile to the mobile network or wireless network like WIFI.