

## React Native

Developed by facebook in 26 March 2015

We learn react native to make mobile apps

### ❖ Mobile operating systems

1. Android
2. ios

### ❖ Development types of mobile app

1. **Native apps** : An app that is coded separately for each operating systems
2. **Hybrid apps** : An app designed for all operating systems with a single code

### ❖ Languages for native apps

1. Java
2. Kotlin
3. C#
4. Python
5. Swift
6. Objective-c

### ❖ Languages for hybrid apps

1. React native
2. flutter

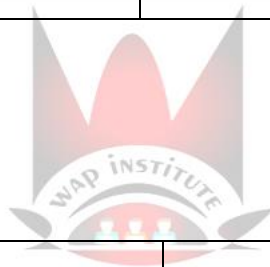
### 3. ionic

#### ❖ Native apps

Advantages	Disadvantages
<ol style="list-style-type: none"><li>1. You can directly communicate to native functionalities of the device</li><li>2. 100% suitable for cpu intensive work</li><li>3. Touch and scrolling sensitivity is very smooth</li><li>4. User experience is much more faster</li><li>5. Internet is not required during run time</li><li>6. Very good option for none website business</li></ol>	<ol style="list-style-type: none"><li>1. You have to build separate app for each operating system</li><li>2. Every time you have to release an update if you added a new feature or if you fixed some bug in your app</li><li>3. Need higher maintenance separately for each operating system</li><li>4. Not suitable for web app</li></ol>

## ❖ Hybrid apps

Advantages	Disadvantages
<ol style="list-style-type: none"><li>1. Suitable for web app</li><li>2. Update not required everytime</li><li>3. User experience is just like browser</li><li>4. Internet is required during run time</li></ol>	<ol style="list-style-type: none"><li>1. Not suitable for cpu intensive work</li><li>2. You can not directly communicate with native functionalities</li><li>3. Performance is little bit slower than native app</li><li>4. Need strong hardware for better performance</li></ol>



## ❖ Suitability

Native app	Hybrid app
<ol style="list-style-type: none"><li>1. Video editing or player</li><li>2. Audio editing or player</li><li>3. Image editing or viewer</li><li>4. Data sharing with wifi or bluetooth</li><li>5. Games</li><li>6. Security</li><li>7. Recovery, Reset, Format</li></ol>	<ol style="list-style-type: none"><li>1. Ecommerce store</li><li>2. booking</li><li>3. Web app</li><li>4. Third party apis related app</li></ol>

