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**SCHOOL OF NATURAL SCIENCE AND SOCIAL SCIENCE**

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**DIFFERENT BETWEEN FLUTTER AND REACT NATIVE**

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| **FLUTTER** | **REACT NATIVE** |
| It is a free and open-source framework for building mobile apps. | It is free and open source anyone can use it easily. |
| It allows Flutter to write the code once, maintain, and can run on different platforms. | It is used to create apps for Android, iOS, and Windows platforms |
| It offers widgets, which are capable of developing customizable specific designs. | It is mainly focused on UI. It makes the app interface highly responsive |
| Whenever the developer makes changes in the code, then these changes can be seen instantaneously with Hot Reload. It means the changes immediately visible in the app itself. | The code written in React Native is compiled into native code, which enables it for all operating systems to provide closer native appearance and functions in the same way on all platforms. |
| It is use Dart Programming Language for creating app and share several features such as Kotlin and Swift. | It support many libraries to make an app interactive. |
| Flutter gives easy and simple methods to start building beautiful mobile and desktop apps with a rich set of material design and widgets. | It allows you to reuse the code which is already written. |

**COMPARISON BETWEEN FLUTTER AND REACT NATIVE**

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| FLUTTER | REACT NATIVE |
| It is first introduced by Google. | It is first introduced by Facebook. |
| May 2017 | June 2015 |
| It uses Dart language to create a mobile app. | It uses JavaScript to create mobile apps. |
| It uses custom widgets to build the UI of the app. | It uses native UI controllers to create UI of the app. |
| Flutter documentation is good, organize, and more informative. We can get everything that we want to be written in one place. | React native documentation is user-friendly but disorganized |
| The performance of the Flutter application is fast. | The performance of the React Native app is slow in comparison to the Flutter app. |
| **In industry adoption**  Google Ads  Hamilton  Reflectly  Xianyu | **In industry adoption**  Facebook  Instagram  LinkedIn  Skype |

