Cross Platform Development, PhoneGap

- Android and IOS are the two main operating system platforms for mobiles and application development.

- The problem of compatibility arose for developers and this problem is sorted with the concept of Cross-Platform Mobile Application Development.

- Extra effort are reduced with the help of cross-platform development.

- Compatible with more than one operating system.

- The main languages for android application development are <u>Java and Kotlin</u>, while swift is the main language for iPhone application development.

Cross Platform Development

Advantages:

✔ Code Reusability

✔ Production Cost

✔ Faster Development

✔ Uniform Design

✔ Maintenance

Dis-Advantages:

✔ Features : it takes more than expected time for the same feature to provide functionality for Cross-Platform Mobile Applications because only those features which can be compatible with all platforms will be introduced

✔ Design - the developer has to consider exceptions to both the platforms which becomes a constraint for the developer's creativity and makes designing a difficult task.

✔ Performance - possess less performance than native apps because of integration issues many a time they need third party apps for providing functionalities

Future Aspect:

✔The Community of Cross-Platform Developers is getting bigger and better day by day – so drawbacks in existing technology will be removed in the future then a huge shift from android development or iPhone development to Hybrid Development.

✔Cross-Platform Mobile Application Development could be considered as the future of mobile app development

Cross Platform Development   - Tools

THANK YOU