Comparison Between Android and Ios

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Abstract— **In this generation mobile phones are highly used**
devices. Every age group has at least one mobile phone.
These mobile phones are work on MOS (mobile operating
system).Basically there are two highly recommended MOS
Ios and Android

Keywords- Ios, Android, operating system, smart phone,

MOS(mobile operating system)

I. INTRODUCTION

If we are buying a new Smartphone today, chances are good that it will run on Google's Android or Apple's ios mobile operating systems. These two platforms accounted for more than 99 percent of all ne Smartphones shipped in 2016, and
that rose to 99.7 percent of all new according to IDC. Microsoft is stopped in making windows phone, Blackberry makes android devices now, and there are very few other options worth considering.

The good news is that both smartphones operating systems are excellent. They have far more in common than what divides them, but ther are some important differences that you'll want to consider. We're going to pit Android against ios in several categories here and pick a winner for each one. Ultimately, the best platform for you depends upon you. Pick the thing that matter most to you, count the wins in those categories, and you have a recommendation.

A. Affordbilty

Apple has always been at end of market in terms of pricing, but the latest phone of iphone Iphone X took things to a whole new level with the starting price of 80000rs. Iphone company launches their phone with high rates but people was ready pay them because of their operating system. Even you have to buy second hand iphone you have to pay at least 30000-40000rs in the market.

For sheer scale and variety, nothing can competes with Android. Android offers you an huge choice of low cost handsets to high cost headsets. The fact that Android also leads the field in free apps makes it the natural choice for the budget conscious.

B. Applications

This is roughly how many appications you'll find in the Google Play Store and the Apple App Store

- Android apps: 3.5 million
- IOS apps: 2.2 million

Numbers aren't the best metric because most of us only use handful of apps and the most popular ones are available on both platforms. Traditionally, ios has been a more lucrative platform

C. File Transfer

Transferring of is easy in Android as compare to IOS. You can transfer file using USB port and Android File Transfer app in Android. Photos and videos can be transfer via USB without apps. But in IOS transfer of file is more difficult as compare to Android. Files can be transfer using iTunes app which is inbuilt in IOS.

D. Battery Life

As we see many Android phone in the market. Many smartphones company offer larger battery with devices which is non-removable. Those battery can ran a whole day on one time full charge. But IOS don't give as big as largest Android Batteries. Apple is able to squeeze decent battery life via hardware and software optimization

E. Security

As both phone gives the better security on their respective platforms. Both give fingerprint sensor and face

recognition software in their phones. Both have pin code and patterns lock also available in their phones. But in some scenario apple beats the android security level like apple have good face recognition software as compare to android and apple also have IR system to unlock phone in darker area with face.

Apple finger print is more faster as compare to android phones. Apple claims that no one can open the phone without the password or install any software without the permission of user. Also jail break of apple is difficult as compare to android.

F. Storage and Sim card slot

Android and IOS both offers a great storage capacity. Both phones are available in 32gb, 64gb, 128gb, and 256gb. Both phones are available in these variants easily. But Android gives Expandable memory and IOS don't. Android gives HYBRID option means you can put two sim's together or you can put one simcard and one memory card together.

Hybrid is introduced by android and only android gives this option but in coming days apple also giving this option. In coming apple models like XR, XS max coming with dual sim card option but there are some rumors says that apple didn't launch these models in India. These options are available in only in foreign country.

G. CAMERA

Both phone offers a great quality camera option on their respective platforms. Both have front and rear camera options. Both offers dual camera at back with dual lead flash and portrait mode and videos capturing mode. But Apple doesn't offers you dual camera and portrait mode in smaller and cheap models. And Android offer these camera option in 20000rs model. If we compare both cameras both are equal but some time in low lightning apple performs a great job and android performs good in daylight. Both have face recognition in there front camera offer you IR technology which helps you to unlock the phone in the night with the help of face recognition.

H. Network Connectivity

If we compare both phone in network connectivity both phones have the option of internet access. Both have options of internet, Wi-Fi, hotspot. Both phone have different bandwidth and have good enough to work on 4G network. Nut android offer you to run your 4G network on both simcard at a same time but apple don't offers you this technology.

Both phone have 3G and 4g connectivity and work good with high signals offer you to run any company simcard on your phones. Both have messaging options available on their respective platforms.

Result

$$\alpha + \beta = \chi. \qquad (1) \qquad (1)$$

After research the result is that both phones are good on their respective platforms. People are using both phone but mostly people are using android smartphones because their affordable pricing and easily availability. Both have equal on each and every stage of comparison. Apple is having high rates as compare to android. Although both Android and IOS both work properly and amazing.

Both phones are good and easy to use and people are using them. Android OS Vs iPhone OS: in a general sense, the decision is yours and the distinctions are not adequate to put one substantially higher than the other. Apple fans will utilize nothing else, regardless of whether confined to the present adaptation of the iPhone, while Android clients will like the accessibility of various PDA models.

Conclusion

Numerically, Android wins 10 classes and iOS wins 8 classifications, yet iOS wins in a portion of the more essential classifications — we don't think establishing or elective application stores are as critical for the vast majority as openness or security, for instance. It's extremely hard to look at the two. Since Apple controls the equipment and the product, you'll see that iOS offers a more uniform ordeal crosswise over gadgets.

A straight examination of the most recent forms of Android and iOS wouldn't be extremely illustrative of the vast majority's involvement, in light of the fact that most Android gadgets aren't running the most recent rendition. The experience you get is additionally entangled by the way that most Android cell phone producers include their very own UI best of Google's stock Android. Subsequently, there's a significant enormous contrast between utilizing Google's Pixel 2, the Samsung Galaxy S9, and the LG G7 ThinQ, for instance.

In the event that you do choose to run with an Android gadget, ensure you complete a little research and take a gander at the variant of Android it runs, the producer skin to

finish everything, and the maker's record for programming refreshes.

Eventually, extraordinary classifications will be critical to various individuals, so you should focus on the ones that mean you and settle on your choice in view of that. In the event that security and protection are a critical factor, at that point the iPhone is the conspicuous decision. On the off chance that battery life is best of your rundown and you need to have the capacity to alter your telephone, at that point pick Android. Both Android and iOS are develop, highlight stuffed stages with significantly more likenesses than contrasts, and we can healthily prescribe either.

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