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**Lab # 1**



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**INTRODUCTION**

Below is the forecast showing the number of smartphone users in Canada from 2018-2024

A screenshot of a graph

Description automatically generated

Some of my research and predictions are leading to some huge differentiated outcomes in Mobile Computing very shortly. Because Smartphones and Mobiles are getting more and more capable of computing. Smartphone popularity has also risen since 2001 from 120 million to

Billions, With the help of AI nowadays there has been a rapid boost in Cmputer Processing Speed and Mobile Computing‘s future is looking extremely exciting with this type of advancement with the help of Mobile Computer will be doing wonders.

The Big Question remains the same, “What’s next after these SmartPhones”?

1. THE MOBILE REVOLUTION

**THE FUTURE OF MOBILE COMPUTING**

Wearables can make a huge impact on mobile computing, Mixed Reality and Hybrid Reality are also offering new experiences nowadays which cannot be confined by mobile computing using smartphones.

Virtual reality is also fully immersive which places users in a completely different digital environment. VR also holds enormous growth potential in today’s market.

Mixed Reality (MR) goes beyond VR and AR to a more seamless blend of tech for the digital and real world.

According to some of my research, I am convinced that Microsoft is putting effort into HoloLenns headset, with several sensors and cameras and creating a 3D mesh rendering.

Mobile computing will be driven by MR technology, virtual assistants and anticipatory AI.

2. CLASH OF TITANS- Short Narrative

I had an opportunity to use the Nokia E71 as my first smartphone after my flip-phone with just an option of talk and text device. It was bought by one of my cousins who was working in Dubai back in 2010. Because Nokia E71 had a worldwide roaming capability back then, but didn’t have any touch screen capability but a human interface Input keyboard on the smart-phone with Symbian 9.2 operating system with only 128 GB, released on April 23rd, 2009, screen size 2.36 Inches. I lost that phone in 2011 using it for only 2 years and then I got another Nokia smartphone as the Nokia company was booming back in 2002- 2011. I didn’t have much use of those phones back in that time but I was so obsessed with Free WiFi connectivity. I didn’t have internet at home back in 2010. The only use of that phone was just calling and texting and a little bit of browsing.

I didn’t have any opportunity to buy Apple devices as they were not affordable back in the day. So I got my Samsung Android device and started all different types of activities on my Android devices. I still upgraded to my new Samsung A70 Plus back in 2020 and still use it as my preferred device. Comparing and knowing all the specs and capabilities of today’s evolving Android platforms in the market I am very convinced with my Samsung device and it’s extra expandable memory up to 128 GB in a memory card slot to run the phone.

Below is the table with two comparisons with it’s latest models from each mobile manufacturer.

|  |  |  |
| --- | --- | --- |
| Manufacturer | Samsung | NOKIA |
| Phone model | Galaxy A 70  alias SM- A705FD A7005FD | E71 |
| Picture/Photo | [This Photo](https://apn-korea.gishan.net/settings/555008786_2_kt_apn_settings_for_samsung_galaxy_a70.php) by Unknown Author is licensed under [CC BY-NC-ND](https://creativecommons.org/licenses/by-nc-nd/3.0/) | Refurbished Buy Nokia E71 Get Nokia E71 Black - Feature Phone Online at ... |
| Price | $750 | $200 |
| Release Date | May 1st 2019 | June 1st 2008 |
| Operating System | Android 9 Pie; Samsung One UI | Symbian OS v9.2 |
| GPU | Qualcomm Adreno 612 |  |
| Chipset | Snapdragon 675 |  |
| Processor(CPU) | 2000 MHZ Qualcomm Snapdragon 675 chipset: octa-core.  (2x2.0 GHz Kryo 460 Gold & 6x1.7 GHz Kryo 460 Silver); Adreno 612 GPU. | 369 MHz ARM 11 0.4 GHz Single-core |
| Memory(Internal) | 128 GB | 110 MB |
| Memory (Ram) | 6 GB 1866 MHz | 128 MB |
| Memory(External) | Upto 1TB | 16 GB Micro SD |
| Display | 6.7 inch Super AMOLED  1080 x 2160 pixels, 30 fps. | 2.36 inch TFT,  320 x 240 RESOLUTION,169 ppi pixel density. |
| Camera(rear) | 32-megapixel primary camera, 8-megapixel ultra wide-angle and 5-megapixel depth sensor. | 3.15 Mpx |
| Camera(Front) | CMOS BSI (backside illumination) | 0.3 MP |
| AutoFocus | Yes | Yes |
| GPS | Yes | No |
| Battery (Talktime) | 4500mAh 8 hours | 1500 mAh 1lithium Polymer,  5.0 hrs. |
| Battery(standby) | 127 hours | 480.0 hrs. |
| Network | UMTS (384 kbit/s) EDGE, GPRS, HSPA+ , 2G, 3G, 4G, LTE, VoLTE, Wi-Fi, VoWi-Fi,Bluetooth | Quadband GSM/GPRS/ EDGE: GSM 850 |
| Synchronization with desttop/Laptop | Yes | n/a |
| Voice enabled | Yes | no |
| Browser | Yes | yes |
| Type | Phablet | QWERTY Keyboard phone |
| Audio | Loudspeaker | Single mono speaker |
| Video FPS | 30 fps (frames per second) | n/a |
| Video resolution | 3840 x 2160 pixels  8.29 MP (megapixels) | n/a |
| Sim-Card | Nano-SIM (4FF – fourth form factor, since 2012, 12.30 x 8.80 x 0.67 mm) | Mini-Sim |
| NFC Compatible | Yes | No |

I would declare Samsung and different new models such as Samsung Galaxy S 23 and Z-Fold5 and Galaxy Z Flip5 as my first preference and declare it as a WINNER for me.

**3. The Ultimate Service Showdown**

|  |  |  |
| --- | --- | --- |
| Service Provider | Virgin | Fido |
| Plans | $ 55 Unlimited Data, $ 35 BYOP plan 3 Gigs of data, | $ 39 Unlimited Data.  $45 For 30 GB Plan |
| Calls | Canada-wide unlimited | Canada-wide unlimited calls |
| Data | Various choices | 2Plans offered. |
| Messaging | Unlimited | Unlimited |
| Global Texting | included | Included in a few plans |
| Voicemail | Included | Included |
| Call features | All-Unlimited Plans | Unlimited in all plans |
| Service credits  (as free upgrades) | $ 10 credit for new activation with new plans with phone purchase | $ 10 Credits for 12 months |
| Fees | $60 Activation fees, 50 % off for new customers |  |
| Usage Policy  (Terms and Conditions) | Flex. | Flexible |
| Coverage | Canada-wide | Canada-wide |
| Perks Included | Discounted prices for Members, | FIDO Extra Perks Every Thursday |
| Exclusive offers | 5- 10 % Discount offers on  Some vendors such as Source.ca | $5 off on Automated Payment Discount. |
| Mobile App. Flexibility | Easy-to-use Application, Bill payment on the app. | Easy-to-use application, |

Compared to different service providers in Canada I am constantly following to chase a better deal by selecting the Best rates for my mobile plans,

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