**ITEC452 Advanced Networks**

**Activity 1: Smartphone Specifications**

**Name: .**

* Pick one smartphone other than the following ones and fill in the column below as the 4th smartphone in the table.

**References:**

* Apple, [http://apple.com](http://apple.com/)
* Samsung Electronics, [http://www.samsung.com](http://www.samsung.com/)
* LG Electronics, [http://www.lg.com](http://www.lg.com/)
* GSM Arena, [http://www.gsmarena.com](http://www.gsmarena.com/)
* Wikipedia, [http://www.wikipedia.org](http://www.wikipedia.org/)
* etc.

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| --- | --- | --- | --- | --- |
|  | **Galaxy S6 edge** | **G4** | **iPhone 6 plus** |  |
| **Manufacturer** | **Samsung** | **LG** | **Apple** |  |
| **Released Date** | **April 2015** | **April 2015** | **September 2014** |  |
| **Cellular Network** | **GSM / HSPA / LTE** | **GSM / HSPA / LTE** | **GSM / HSPA / LTE / CDMA / EVDO** |  |
| **WLAN (Wi-Fi)** | **802.11 a/b/g/n/ac, Dual-Band,**  **Wi-Fi Direct, Hotspot** | **802.11 a/b/g/n/ac, Dual-Band,**  **Wi-Fi Direct, DLNA, Hotspot** | **802.11 a/b/g/n/ac, Dual-Band,**  **Hotspot** |  |
| **Bluetooth** | **v4.1, A2DP, LE, apt-X** | **v4.1, A2DP, LE, apt-X** | **v4.0, A2DP, LE** |  |

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|  | | **Galaxy S6 edge** | **G4** | **iPhone 6 plus** |  |
| **Platform** | **OS** | **Android OS, v5.0.2 (Lol ipop)** | **Android OS, v5.1 (Lol ipop)** | **iOS 8**  **upgradable to iOS 8.3** |  |
| **Chipset** | **Exynos 7420** | **Qualcomm MSM8992 Snapdragon 808** | **Apple A8** |  |
| **CPU** | **Quad-core 1.5 GHz Cortex-A53 & Quad-core**  **2.1 GHz Cortex-A57** | **Dual-core 1.82 GHz Cortex-A57 &**  **Quad-core 1.44 GHz Cortex-A53** | **Dual-core 1.4 GHz Cyclone**  **(ARM v8-based)** |  |
| **GPU** | **Mali-T760MP8** | **Adreno 418** | **PowerVR GX6450 (quad-core graphics)** |  |

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|  | | **Galaxy S6 edge** | **G4** | **iPhone 6 plus** |  |
| **Display** | **Type** | **Super AMOLED** | **IPS LCD** | **LED-backlit IPS LCD** |  |
| **Size** | **5.1 inches** | **5.5 inches** | **5.5 inches** |  |
| **Resolution** | **2560 x 1440**  **Pixels** | **2560 x 1440**  **Pixels** | **1920 x 1080**  **Pixels** |  |
| **Protection** | **Corning Gorilla Glass 4** | **Corning Gorilla Glass 3** | **Ion-strengthened glass, Oleophobic coating** |  |

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|  | | **Galaxy S6 edge** | **G4** | **iPhone 6 plus** |  |
| **GPS** | | **GPS, A-GPS,**  **GLONASS, Beidou** | **GPS, A-GPS, GLONASS** | **GPS, A-GPS, GLONASS** |  |
| **Radio** | | **No** | **Stereo FM radio with RDS** | **No** |  |
| **Charging feature** | | **Wireless Charging (Qi / PMA)** | **Optional Wireless Charging**  **(Qi-enabled)** | **-** |  |
| **Battery** | **Capacity** | **Li-Ion 2600 mAh** | **Li-Ion 3000 mAh** | **Li-Po 2915 mAh** |  |
| **Camera** | **Primary** | **16 MP**  **5312 x 2988 pixels** | **16 MP**  **5312 x 2988 pixels** | **8 MP**  **3264 x 2448 pixels** |  |
| **Secondary** | **5 MP 1440p** | **8 MP 1080p@30fps** | **1.2 MP 720p@30fps** |  |