**Assignment (short essay)**

CPRG 303 G

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Objective: Explore the future innovations and advancements in mobile technology.

Discuss:

* How mobile technology could be improved.
* What mobile technology might look like in 5 to 10 years.
* What mobile technology related jobs will become either more relevant or obsolete.

Mobile technology has evolved rapidly in the last several decades. From the first phone back in 1973 to the advanced development of flexible displays and artificial intelligence integrated on mobile devices. Although the growth of cell phones or mobile phones has slowed down in the last few years. There are still several improvements we could see soon when it comes to our mobile technology. Battery and wireless technology will improve, wearable technology will become more prominent in society and artificial intelligence will shift the workforce of the future.

Batteries have been one of the Achille’s heels of our mobile technology. Our current battery technology is slow, cumbersome and controversial due to our limited and finite resource materials that its made of. According to rice university, Scientists have made a breakthrough in micro-supercapacitors that could charge a battery 50 times faster and could discharge slower than the current technology [1]. This means less time topping and longer use hours for our mobile devices. There are also other batteries in development that could revolutionize the battery industry such as graphene batteries and silicon anode batteries that could potentially be produced sustainably [1].

The other technologies that could revolutionize our mobile technologies are wearables and artificial intelligence. According to Carolina from Tech Advisor “Although the pace of development of smartphones have slowed, it will continue to evolve”, “Some predict they will become remote controls of our lives while others think that they could disappear into wearable devices” [2]. We will eventually be wearing computers and will become an integral part of our daily lives. Artificial intelligence will also play a huge role in the shift of the workforce of the future. According to an article from Sensorium, jobs that require repetitive and mundane tasks can be easily replaced by AI such as customer service representatives, receptions, and translators to name a few [3]. On the other hand, jobs that requires critical thinking, maintenance, constant supervision, and tasks that involve reasoning would be hard to replace [3]. Yes, this might be worrying to some industries, but this change would only evolve the workforce. I believe, the more mundane jobs that get eliminated by technology, the more opportunities will arise that will require humans to elevate their skills.

# References

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| [1] | C. Hall, "Future batteries, coming soon: Charge in seconds, last mons and power over the air," Pocket-lint, 22 March 2021. [Online]. Available: https://www.pocket-lint.com/gadgets/news/130380-future-batteries-coming-soon-charge-in-seconds-last-months-and-power-over-the-air/#:~:text=Lithium%2Dsulphur%20batteries%20could%20outperform,and%20the%20interest%20of%20manufacturers.. [Accessed 15 September 2023]. |
| [2] | C. D. Marsa, "The future of the smartphone: In 2030 phones could be charged by thin air," Tech Advisor, 07 April 2022. [Online]. Available: https://www.techadvisor.com/article/746167/the-future-of-the-smartphone-in-2030-phones-could-be-charged-by-thin-air.html. [Accessed 15 September 2023]. |
| [3] | U. (Blog/AI), "10 Jobs AI Might Soon Replace (And Those That It Won't)," Sensoriumrarc, 30 March 2023. [Online]. Available: https://sensoriumarc.com/articles/jobs-ai-might-replace-and-those-it-wont. [Accessed 15 September 2023]. |
| [4] | A. J. C. W. Dieter Bohn, "The smartphone, circa 2031," The Verge, 1 November 2021. [Online]. Available: https://www.theverge.com/22749341/smartphones-future-predictions. [Accessed 15 September 2023]. |
| [5] | M. Rutnik, "What will smarphones of the future look like? Here are 6 (crazy) predictions," Android Authority, 23 May 2022. [Online]. Available: https://www.androidauthority.com/future-phones-927528/. [Accessed 15 September 2023]. |
| [6] | Blog/AI, "10 Jobs AI Might Soon Replace (And Those That It Won't)," Sensorium, 30 March 2023. [Online]. Available: https://sensoriumarc.com/articles/jobs-ai-might-replace-and-those-it-wont. [Accessed 15 September 2023]. |