**Technological University of The Philippines Manila** College of Science Computer Studies Department 

**Presentation of the chosen technology:**

The researchers have shown increasing interest in the field of nanotechnology owing to its potential for innovation and progress. Nanotechnology involves the manipulation, design, and utilization of materials and structures at the nanoscale level, ranging from 1-100 nanometers in size, offering distinct properties and functionalities that are not present at larger scales. This field has the potential to create revolutionary solutions in various sectors, including medicine, electronics, energy, and environmental science.

The primary reason why researchers are exploring nanotechnology is its potential to transform multiple industries. For example, in medicine, nanotechnology can provide precise and targeted drug delivery systems, leading to more effective and less invasive treatments. In electronics, nanotechnology has the potential to develop more efficient and powerful computing devices. Additionally, it can enhance energy storage and generation systems, such as solar cells, and provide sustainable and eco-friendly solutions to several issues, including waste reduction.

Furthermore, the interdisciplinary nature of nanotechnology is another factor that attracts researchers to this field. Nanotechnology combines knowledge and expertise from multiple fields, such as chemistry, physics, biology, engineering, and materials science, to create innovative solutions to complex problems. The collaborative efforts between these fields can lead to groundbreaking discoveries and ideas that would not have been possible otherwise.

In conclusion, the potential benefits of nanotechnology are significant, and the interdisciplinary nature of the field offers substantial potential for collaboration and innovation. It is no surprise that researchers are exploring this field to create solutions that can positively impact people's lives and shape the world for the better.

**Literature reviews and supporting information supporting the group position.**

The researchers conduct a comprehensive literature review and administer a survey for a small group of individuals to support the group's position on the positive effects of nanotechnology. This aims to strengthen the argument presented in the research paper.

* **Technology Literature Reviews**

Technology has become an essential element of modern civilization, influencing many parts of our life such as communication, healthcare, education, and entertainment. The purpose of this literature review is to look at current studies on technology and its influence on society, as well as to look at the potential advantages and disadvantages of using technology.

Communication has been significantly altered by technology, making it simpler and faster to interact with individuals all over the world (Hampton et al., 2011). However, the greater connection has raised worries about privacy and security, as well as cyberbullying and addiction difficulties (Feldman, 2019).

Technology can enhance patient outcomes and streamline operations in healthcare. Electronic health records, for example, can enhance the quality and accessibility of patient information, and telemedicine can improve access to healthcare in rural regions (Bates et al., 2014). Concerns have been expressed, however, concerning the potential for technology to lead to dehumanization and the loss of the human touch in healthcare (Montague, 2013).

Technology in education has created new learning possibilities and made education more accessible to individuals all around the world. Online courses and educational software can offer tailored learning experiences, and virtual and augmented reality can improve the learning environment (Cheon et al., 2012). However, there are worries that technology may contribute to social isolation and a lack of face-to-face engagement in schools (Manca & Ranieri, 2016).

Technology has transformed the way we consume media and created new avenues for innovation and expression in the entertainment industry. Streaming services and social media have spawned new types of entertainment and made it simpler for people to share their creative works (Bennett & Strange, 2011). Concerns have been expressed, however, concerning the potential for technology to lead to addiction and the loss of real-life experiences (Rosen et al., 2013).

Technology’s influence on society is complicated and multidimensional. While technology can provide several advantages, there are also concerns about its possible drawbacks. Additional study is necessary to fully comprehend the influence of technology on society and to establish ways for maximizing its advantages while reducing its negative consequences.

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