THE RISE OF IOT IN EDUCATION

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What is the only thing in your bag that you hold from daytime until going to bed?

Yes, Exactly! That is your cellphone or your mobile phone. It is an invention that provides a lot of services, uses, and functions. The purpose of phones is for communication but sometimes it is used as a mirror, flashlight, mp3, notebook, calendar, radio, and even as a mini television. This gadget is an example of the wider contribution of digital devices into the world of modern technology.

Technology is a word that has a lot of commending meaning and description but it also has a lot of unfavorable ideas and judgment. It either can make us or break us. Well, that differs depending upon how people utilize it. A distinctive example of a massive awareness of modern technology is IoT.

According to the article What Is the Internet of Things (IoT)? "IoT or define as “Internet of Things” describes the network of real-world objects, “things”, that are embedded with sensors, software, and other technologies for the aim of connecting”. It serves as a gateway to the interconnection of devices that we use in daily life.

According to an eMarketer, an estimated 83.2% of all 12- to 17-year-olds have a smartphone. In addition to that, 73.0% of parents said their kids already have a smartphone between ages 11 to 13, and 31.0% of them said their kids had one between ages 6 and 10. With this result, we can conclude that people nowadays have mobile phones.

However, in 2020, schools around the world closed or halted in-person instruction to mitigate the spread of the novel coronavirus. Torn within the middle of the year, teachers
and students were forced into crisis mode—and rely heavily on the IoT to facilitate the shift to structure remote learning. Especially in this time of calamity, the rapid change turns into a transition of traditional teaching into Smart Schooling.

Now students, parents, and teachers who are digitally literate find a convenient way to progress education with the greatest benefits they can enjoy. Students who use mobile IoT devices for their studies can automate tasks that they do now, such as note-taking, schedule checking, and research using different platforms like Zoom and other technologies presented and advised by the teachers. Parents can now check and monitor classroom activities and tasks accomplished by the students using IoT devices.

As for the faculties or schools, the best benefits would be increased energy efficiency and reduced operating costs. It also helps to save money to a more reusable material in teaching such as computers, tablets, and smartphones rather than spending annually on papers and printings. Teachers can lessen their burden of collecting works of their students but instead can gather outputs through the devices connected to the cloud.

Outside the classroom, universities can use connected devices to connect with their students, staff, resources, and equipment at a reduced operating expense. These tracking capabilities should also result in safer campuses.

This is about the transformation of the education system to meet the needs of the changing world. As technology is advancing, it should be necessary for the education system to take a step closer to making it into reality. The rise of IoT in Education isn’t only focused on the technology itself, but it reinforces the development of teachers as well. With that being said, IoT can also mean “Innovation for the Teachers”.

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