# **Finalized information notes:**

(for Introducing Industry and Technology 4.0 to Sri Lanka)

4IR (Industry Revolution) or known as Industry 4.0 is a new phase in the Industrial Revolution that focuses heavily on interconnectivity, automation, machine learning, and real-time data and it can be applied to Sri Lanka. Besides technological enhancements, the attitude, mindset, and skills of a person is developed to newer and open heights.

So why should the youth be educated on this? It’s because of the various opportunities, inventions and innovativeness of the new generation that could be developed in this rapidly growing nation. As stated by Dr. Lasantha Ganewatta, a Consultant Physician mentioned that in demographical statistic, there would be an additional increase of 16.7% (3.6 million) in the population.by 2021. In 2041 ¼ in the population would be elderly. This will have a great effect on the future economy of this country if there is no sooner course of action in Implementing this industrial change.

There is 9000+ public schools in Sri Lanka which are government funded. As much as education is easily accessible however, quantity overrules quality. Certain educational institutes are still educating in the traditional sense. Memorizing, note taking and so forth. It has been a slow progress in developing the youth to lead the nation with this kind of setting. So, what if, we can create an improved form of educating foundation by implementing technology and knowledge of Industry 4.0 that could not only advance and expand the youth in their skills, creativity and accessibility to jobs worldwide but also develop the nation at a faster, yet efficient rate.

The youth therefore can also act as a model of this new implementation and can aid in also spreading awareness and educating the older age groups. A positive demonstrative effect. Like all visions of countries, the youths are the change makers of the nation and of the world.

As a student myself, who has been effectively educated on Industry 4.0 and applied in its practical efforts, it has provided me a grand insight of the future, preparation, and job readiness

Brunei’s educational system has been implementing the concept and most especially, the technology of industry 4.0 in higher education. To prepare these youths to be job ready and aware of the current industrial development. There is no doubt with the presence of technologies of Industry 4.0, has made Brunei prosper since its decision to upgrade the nation since 2012.

The technologies of Industry 4.0 that should be introduced in Sri Lanka to the youth would be Simulation (AR/ VR) and AI. The world is not unfamiliar of these two growing technologies. They have been applied in various facilities all over the world. That also includes their neighboring Asian countries such as Singapore and Brunei.

The idea to implement these two technologies carry out as follows. We are trying to grow out of the traditional teaching methods that are still heavily reliant by educators in Sri Lanka. The pressuring examinations may have built diligent students however there are downfalls. The over-bearing stress, pressuring environment and toxic competition between students has become an issue. As from a recent interview with a current student in Sri Lanka has stated that during O levels, the suicide rates in their country spikes.

Simulation and AI accompanied by educators ,can be used as mediums of educational platforms that could further enhance the skills, knowledge and generating the interest of a student in a much efficient and student friendly way without developing the detrimental effects to the mental health of the youths. It also allows students to experience future jobs of their interest, which may seem daunting or risky to try out physically, they can gain fundamental ideas of what it’s like by experiencing through programmed simulations. Rather than using books, mobiles, pens, resources of which are still difficult to obtain by marginalized youths, the simulation and AI program can be provided and made available for the masses.