ROBOT TO RULE THE WORLD

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The world is marching ahead with ambitious mega projects in Robotics & Artificial intelligence (AI). It is high time to know a country like India which has a vast reservoir of skilled manpower and being the world's largest sourcing destination for the Information Technology (IT) industry and who employs about 10 million workforces in this sector. We are living in the Information age and it is our responsibility to understand and suggest what all steps our government has taken for entering the silent epoch-making revolution happening across the globe in the Robotics & Artificial intelligence (AI).

We Indian should take the lesson how a 27-year-old Omar Bin Sultan Al Olama has been announced as the Minister of Artificial Intelligence in United Arab Emirates. The Defense Advanced Research Projects Agency DARPA – the Pentagon's, United States research arm activities on creating a militarized avatar project, serving as a soldiers surrogate on the battlefield and The Russian Project – for missions in the creation and realization of a new strategy for the development of humanity – Creating a new Era of Humanity.

AI versus humans (Machine vs Mind) is a debate that has already taken spot in the mainstream discussions across the globe. A country like India with population 1,343,070,095 as of October 2017, based on the latest United Nations estimates. How we are going to approach such a situation is should be closely monitored. The race to build computers that can think like humans or more powerful than humans how it is going to impact our life is another angle which should be considered

much seriously.

The Technological revolution – Nano Technology, Bio Technology, Information Technology, Cognitive Technology, Genetics and Robotics will allow finding new sources of energy. The future of Robotics opens up a plethora of opportunities in India. It is a multidisciplinary engineering field. One gets to understand the integration of mechanical, electrical, electronic as well as computer science disciplines in this field. The industries across a range of sectors such as automotive, atomic energy, defence, space, metals, textiles and manufacturing use Robotic technologies very extensively even operation theatres to various streams to augment the quality of life. As per the statistics of The International Federation of Robotics (IFR) the estimated yearly shipment of the number of units of multipurpose industrial robots which is forecasted to be supplied by China will be 1,60,000 whereas India is expected to supply 6,000 by 2019. This statistics gives us a clear picture of where India is positioned in the global map.

However many developing nations are still to adopt robotics and automation in a big way. Among the many challenges that plague the Robotics field in India, the primary ones among them have to do with. The cost of adopting Robotic technology is very high due to the cost of procuring imported hardware components. The Availability of skilled talent that specializes in the many disciplines such as electrical, embedded, software and mechanical that make up Robotics and retaining quality talent. The scarcity of skilled Training faculty to teach the subject from an academic perspective. Robotics as a subject is not taught well to the engi-

neering students the absence of hardware companies that can cater to them and the dependence on countries like China, USA and Europe to procure the necessary components as a major stumbling block. □ We are lagging in building a consortium of organizations & Lack of government initiatives.

On the other side the government of India is much concerned on the impact of Artificial intelligence (AI) versus humans to a country like India. Whether machines take our jobs, new jobs are created or machines only take some of our jobs or machines take our jobs, we design new machines. This is a very sensitive matter on which detailed studies should be made taking into consideration our social, economical and political situations.

I would also like to remind the Anticomputer protests during the 1980. During the early 1980s, Indian companies were not even computerized. The Labor unions were protesting against computerization on the grounds that technology would displace jobs. Three decades after the leftists famously led the protests against the introduction of computers in banks but how can you stop modern technology? Nowadays, they have understood openly termed the action as "foolish". President Ram Nath Kovind laid foundation for the first government IT building at Technocity at Pallippuram marking the launch of Technocity during the same leftists government.

A bold decision by our Government of India will change the future of our nation's vision in Robotics & Artificial intelligence (AI). It will bring a great boom like the Information Technology revolution.

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