

# **Managerial Strategies for Twenty First Century Technological Advancements**

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**Since the dawn of human civilization “Search, Research, Invent and Innovate ” have remained at the core of human instinct. As a result there has been continuous onslaught of technological innovations and transformations. No wonder , be it invention of wheel, steam engine , Edison’s bulb - the list is long including wireless transmission of data in any format” has placed the human civilization in the higher orbit of operations and development with steeper and steeper growth trajectories. Each onslaught of the technology has been so tremendous in its time that there is no option for the managerial strategies but to rise and splendidly facilitate the technological advancements.**

**The technologies to name a few that are profoundly giving a call in 21<sup>st</sup> century are:**

- 1) Wireless Transmission of Electricity**
- 2) Artificial Intelligence (AI)**

**Think of wireless transmission of electricity of the order of one megawatt 100MW and 500MW - the implications are loud and clear. No need to have electric wire network. Transfer few units of electricity from your handset and that's it. Creation of artificial Sun in space and transmitting electricity to Earth is not a distant dream. The same wireless electricity transmission if used as a transport agent for goods, the entire transportation dynamics will change – fourth mode of transport will emerge.**

**The arrival of AI will not only place the mammoth enclopaedia of research at your fingertips but will also integrate burgeoning but disjointed stream of researches with aided intelligence. The un thought of probabilities will become quick realities. The scale and speed of technological advances will be substantially higher. No aspect of life will be left untouched be it agriculture, industry or day to day life.**

**To give you a few glaring examples:**

- 1) In the field of agriculture, through agri- genetic engineering it is able to grow a mango tree which provides you KESAR mango on the left side and ALPHAMO mango on the right side. The size, colour , sweetness and other nutrients will be predefined and you will have the output as if it is factory produced.**
- 2) A group of scientists working in real estate construction area, studied the growth pattern of all plants and there species using AI. They are**

**in the process of developing a seed that is to be sown in the land with prescribed fertilizer and irrigation dosages, it would grow in to a 3 bed room bungalow in six months. No need of labour contractor, cement, steel and and other machinery yet eco friendly house. This technology when further developed will entirely change the face of real estate construction.**

**Having said so, what are going to be the managerial strategies?**

- **Continuous learning and training will be order of the day.**  
**The organisation will have to give time space on the job itself for further learning.**
- **Invest more and more in R&D in your relevant area.**
- **Proactively embrace the technology - for this you may have to scout for personnel and material across the globe.**
- **Multicultural persons but with same techno-arena will be the work groups. For them appropriate communication giving space to their value system will have to be developed.**
- **The Performance Appraisal will have to be fine tuned .**  
**Creativity , Communication , Collaboration , Fast pace Thinking, Quick Decision Making and Speed of Action will find their place in the performance scorecard.**

**The above mentioned are few examples of technological innovations and corresponding managerial strategies. Many more would certainly emerge as the time proceeds.**

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