

AI based curriculums for infrastructure professionals on the rise amid Covid-19 pandemic

As per the current market trend, AI based curriculums for infrastructure professionals are in high demand during the current pandemic situation.

The advent of Covid-19 changed the entire world like never before in recent history. It has shaken both life and business alike. It seems that covid19 has pressed the reset button to life. Vaccines have arrived as a new hope against the pandemic and its end seems to be near.

However, things are bound to change drastically on the other because of the pandemic. Our attitude towards life and work will be changed forever. All the sectors of the economy have been affected by the pandemic and the infrastructure sector has been one of the most affected ones.

Due to its labor- and capital-intensive nature, the infrastructure sector suffered a lot at the hands of the pandemic and the subsequent labour migration. The current market trends suggest that at the end of the pandemic, the infrastructure sector is expected to change drastically.

The large companies will set to dominate the market and the smaller companies will have to compete hard to sustain and survive the market dynamics. This will happen due to the absence of working capital required to sustain.

During such scenarios, the industry often moves towards consolidation where organizations with distinct competitive advantages merge or collaborate for various reasons.

Paradigm shift in industry

These paradigm shifts are strongly impacting the mindset and psychology of infra professionals such as Architecture, Civil, Mechanical, and Electrical. They are worried about their job security and future because of the dynamism created by the pandemic.

No one is certain about how the industry will look after the pandemic is over and whose skills will be enough to retain their respective positions in their organizations. Therefore, most professionals are investing heavily in skill development to stay future-ready.

Up-skilling oneself and diversifying one's skill set will be a key to stay significant. Inevitably, most companies will be forced to minimize their staff and multitaskers will be the last ones to get the pink slips.

Infrastructure professionals are currently taking up curriculums and training in the applications of GPS, GIS, Building Information Modeling, 3-D Modeling, Intelligent monitoring, visualization, web-based construction project management, and storage, etc.

All these disciplines are based on AI. Recently, TeamSystem's STR cost control and project management platform were brought on cloud and web-based environment. Thus, it is evident that the demand for AI-based courses for infrastructure professionals is surging.

Automation of infrastructure industry

Among very few things that are certain about the infrastructure sector, one thing is the shift towards automation. The pandemic and the reverse migration have made companies think about minimizing their dependency on human labor.

Automated machinery is almost certain to make a big entry into the infrastructure sector. These machines will need a skilled workforce to operate and maintain them. Since most of these machines are based on artificial intelligence, professionals trained in AI will be in demand.

This is another factor that has been attracting professionals towards taking training based on AI. COVID has established new normal, which will remain for the foreseeable future. Hence, professionals having training in AI, and machine learning will be at an advantageous position.

The role of AI has been rapidly increasing in the infrastructure sector. People with skills related to AI and machine learning will be extremely important for organizations. Therefore, professionals are not only taking AI-based courses to survive in the industry but also taking up these courses for their career enhancement.

Most infrastructure professionals are taking up AI-based curriculums and keeping them ready for any future contingency. In case anything disastrous or drastic doesn't happen in the industry, professionals with training in these disciplines will command higher positions and fatter paychecks in the coming future.