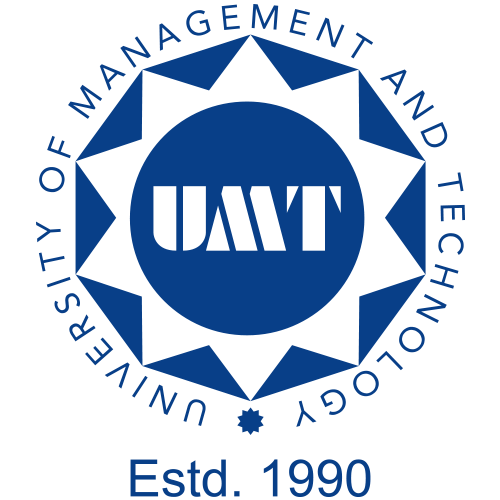
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**Principal of Management**

**Assignment No: 1**

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**Submitted To: Sir Pervaiz Mughal**

**Machine Learning, Artificial Intelligence and big data are transforming the world around us. How these can influence engineering**

While there are many benefits of artificial intelligence, machine learning and big data in engineering, some engineers are concerned their jobs will be taken over by machines. Automation has and will continue to take over jobs humans have done historically; however, that can free humans to do higher-level tasks as well as take over jobs that require the unique skills of humans that don’t even exist yet. In one study by Stanford University, “[One Hundred Year Study of Artificial Intelligence](https://ai100.stanford.edu/)," there's nothing imminent about the threat to jobs, and even when or if we get there, it will be balanced out by the positive impacts on society and the increased capabilities technology offers. A[report from the University of Oxford](https://www.oxfordmartin.ox.ac.uk/downloads/academic/The_Future_of_Employment.pdf) states that science and engineering professions are the least threatened and will experience great benefits from artificial intelligence tools.

In order for engineers to prepare for [Industry 4.0](https://www.youtube.com/watch?v=yKPrJJSv94M), when factory automation, big data, artificial intelligence, and machine learning transform the way we work, engineers should prepare to adapt to the latest tools available to them and learn how to work alongside robots and machines advising them. Engineers must optimize the work that needs to be done so that the interactions between humans and robots are as good as they can be.

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