NDIBE ARIZE 17/ENG06/056

MECHANICal engineering

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* One of the benefits of an engineer learning economics is the connection to mathematics. Engineering students complete a wide range of math and statistics courses during their studies, so most (if not all) math-oriented economic concepts were easier to grasp when introduced.
* Having a good background of management boost your leadership and management skill. Having a standardized, proven approach leads to less project failures. For engineers, it’s important to realize that non-technical, project management skills are just as important to success as engineering skills.
* the ability to analyze the potential risks of a project beforehand and set up steps to mitigate those risks is invaluable. One of the key components of management is analysing a project with risk assessment in mind. This is another area where experience in using these skills leads to better outcomes with each passing an engineering project.
* Having an insight on engineering law, when cases are taken to court for one reason or the other(i.e a failed contract) an engineer will have some knowledge of the legal praction to be able to speak and defend himself in the court of law
* Those who couple skills from a management degree with engineering skills are immediately in a better position to take on a leadership role. Earning a level of knowledge in engineering project management prepares graduates to understand the dynamics of an organization and the management of people. They also will have skills in both accounting and finance. Even if an engineer does not have ambitions to move up higher on the organizational chart, having these skills will simply make them better at their job.
* Working on projects involves repetitive tasks. Having to reinvent a framework for accomplishing those tasks for every project is both tedious and a waste of time. Project management, by its very nature, focuses on making each step of a project as efficient and effective as possible. These steps can be standardized for every project. Decades of experience from project managers has resulted in a wealth of knowledge that can be applied to every project. These areas can range from developing a project charter and fostering executive buy-in to benefits realization and avoiding scope creep.