ItsMy **ascent** .com
Beta
Move up in life!

HR Zone

Careers & Training

Employee Benefits

Global HR Policies

Organisational Efficiency

Voice of HR

Work Life Balance

Opinion Poll

Should power naps be encouraged at work?

○ **Yes**

○ **No**

○ **Maybe**

[Vote]

📝 Voice of HR

Voice of HR is a monthly contest wherein you, the HR, can participate and share your ideas, inputs and insights on the burning issues in the Human Resource space.

Post your article for any of the following topics-

1. Are criminal background checks needed for job candidates?
2. If I could have a celebrity boss...

Post Your Article
The best three articles will be printed in Ascent.

g+1 0   Tweet   Share 55   Like 23

Top engineering skills   10/09/2014

IMAGESBAZAAR

Dr T C Ramesh

Continuous evolution of new technology and the work environment calls for certain life skills in engineers beyond their technical competencies. As technology evolves, the environment where it will be deployed will be an intensely globally interconnected one. The population of individuals who are involved with or impacted by technology (e.g., designers, manufacturers, distributors, users) will be increasingly diverse and multidisciplinary. Social, cultural, political, and economic forces will continue to shape and affect the success of technological innovation. The ubiquity of technology in our everyday lives will be seamless, transparent, and more significant than ever. Today's engineer needs to cope up with all these and more. Here are five skills that an engineer needs to develop along with their technical knowledge to be successful.

Leadership

Engineers will continue to play an important role in decision-making. It will be necessary for them to understand the principles of leadership in preparation for such roles. The decisions they take as a leader will have a significant impact and importance on the society. They should be in a position to stretch their traditional comfort zone and accepting the challenge of bridging policy and technology well beyond the roles accepted in the past.

Creativity

Creativity, which may be displayed in multiple forms such as invention, innovation, art, is an integral part of engineering. Engineers of the future will have to synthesise interdisciplinary knowledge and multiple technologies to find these solutions. However, the core essence of the problem solving and solution finding will still require creativity.

Interest for lifelong learning

Learning is a lifelong process through which we can keep ourselves abreast of change. This is ever so true for an engineer. With technology cycles becoming shorter, engineers who miss the continual learning process risk becoming redundant in terms of their skills.

Professionalism

Complementary to the necessity for strong leadership ability, is the need to also possess a working framework upon which high ethical standards and a strong sense of professionalism can be developed. These are supported by boldness and courage. Many of the challenges of the new century are complex and interdependent and have significant implications for the technologies intended to address them and the ways in which those technologies affect the planet and the people that live here. Effective and wise management of technological resources is integral to engineering work. Successful engineers in future will, as they always have, recognise the broader contexts that intertwine in technology and its application in society.

Dynamism and agility

This will require engineers of the future to be dynamic and agile. They should be in a position to learn new things quickly and possess the ability to apply this knowledge to solve problems and ensure their solutions reach the market faster to address the evolving consumption needs.

The author is head, Technology Excellence Group, QuEST Global