‘With advances in artificial intelligence (AI), could traditional project management skills become a thing of the past?’

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Project asks two experts for their opinion on this issue's big question.

A former mentor once told me that, in 45 years in business, nothing much had changed – the only advance had been the kind of reporting made possible by earned value analysis. He used this technique from the early 1990s, well before it was fashionable or even widely known. His message was that the fundamentals of good project management remain the same, but we should embrace new tools as and when they come along.

With all the technological developments that surround us, the pace of change is much more acute than it was for him. At my firm, we embrace innovation and technology. New techniques and devices enable us to do a better job for clients. AI will simply be another tool in our belts, rather than something that fundamentally disrupts what we do.

Traditional project management skills – such as managing teams, clients and stakeholders, decision making, and managing the politics of the project – will remain at the heart of our work. Project management requires the ability to answer, and influence, the core aspects of what is happening. What is it going to cost? When is it going to be ready? Are we getting value for money? It might be that AI could answer some of these questions, but let us look one step further.

In the introduction to APM’s Planning, Scheduling, Monitoring and Control, we included a paragraph on the most fundamental of all project management skills: the application of common sense. We wanted to make the point that all of what we have written on the subject needs to be taken, in effect, with a pinch of salt – that a one-size solution cannot possibly fit all. How does one define common sense? And, more importantly, how can an AI be programmed to either learn or develop common sense?

Now consider planning, one of the hard skills of project management. Planning is an art based on experience, sector knowledge and technical skill. An allied but separate skill is scheduling, the science of describing a plan. AI could conceivably undertake the scheduling part of project management – but for a machine to truly plan would be a much bigger challenge.

Can AI achieve this level of sophistication? Possibly, in part. But, in terms of bringing everything together to fulfil a goal, the human element will remain fundamental.

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