

Exercises

Software Project Management

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Course: SOEN-6841 (Software Project Management)

Exercise URL: <https://github.com/SnehilSharma0308/SOEN-6841-SPM>

Week3: Jan 28 – Feb 3

1. Agile projects may have less effort required as compared to traditional projects. What factors are responsible for this phenomenon?

Factors responsible for agile projects requiring less efforts as compared to traditional projects:

1. **Iterative increment:** Agile projects always focus on iterative working model of project to be delivered whereas in traditional approaches entire product might be delivered at the end of the development cycle and it might not be useful for the customer at that time which reduces the efforts spent at the last moments.
2. **Customer Feedback:** In agile projects there is always someone from the customer side who is carefully analyzing the progress of the project and if there is something which is not as per customer expectation then that can be resolved during the early stages of project rather than at the end like in the cases of traditional projects.
3. **Improved Risk Management:** Since customers are always involved throughout the product development cycle, there are less chances of customer being unsatisfied because of the product and even if there are some requirements which are misunderstood by the development team, they can be fixed at early stages which reduces the risk of such issues coming at the time of delivery of the product.
4. **Flexibility:** Agile projects are more flexible than traditional projects because of which if there are some requirements which needs to be incorporated into the product, they can be done throughout the development process which is not the case in the traditional approaches of project development.
5. **Improved Testing:** Agile promotes the concept of continuous testing throughout the development cycle such that if there are any major defects, they can be fixed at early stages rather than spending time on debugging and fixing at the end.
6. **Prioritization:** Agile projects always focus on what requirements are at top priority during the development cycle and spend more time on them first by doing proper planning before any sprint begins and provide value for money to the customer.

References:

1. Ahmed, A. (2012). *Software project management: a process-driven approach*. CRC Press. Retrieved January 22, 2024, from <https://concordiauniversity.on.worldcat.org/oclc/774289078>
2. <https://quixy.com/blog/traditional-vs-agile-project-management/>