CSC 392

BSc Information Science

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The role of a software project manager

All projects require a manager or leader. A software project manager is responsible for leading software projects and development from its conceptualization to a final product. They review project plans and ensure the stability and efficiency of softwares.

Software project managers analyze the constraints of the project, establish its objectives, coordinate the projects internal and external teams, create a timeline, budget and monitor the projects key performance indicators. Furthermore, they assess the scope of the project and specify client requirements to developers by translating client needs into technical specifications.

Software development projects are complex, which makes it essential for software developers to efficiently plan, organize and monitor projects to complete them within the specified time frame and correctly. A software project manager possess the overall responsibility for the successful planning, designing, coding, implementation and control of given task. It is imperative that the manger understands the scope or task at hand which ensures the success of the whole project.

The roles of a manager include planning, effective communication, provision of guidance, evaluating performance, assemble the necessary resources and tools, time management, monitoring and checking progress. This enables proper utilization of resources and ensures that the team works in line with set standards or aims. They further ensure that the development adheres to predetermined phases and fosters collaboration among team members.

Last but least, it is important that a well detailed and structured software documentation is created. This documents entails the whole software cycle or the software project proposal. The manager also takes into consideration the risks of the project and prepares a risk management plan which will help in mitigating the risks.