

# Abstract

Agile methodology is an iterative and collaborative approach to software development that emphasizes flexibility, customer satisfaction, and rapid delivery of working software. The current state of Agile approach for software development is that it is widely adopted and continuously evolving. Many organizations have embraced Agile as the preferred methodology for software development, and it has become a mainstream approach in the industry. Agile frameworks such as Scrum, Kanban, and XP continue to gain popularity, and there is a growing trend towards scaling Agile to larger teams and organizations. Additionally, Agile practices are increasingly being applied to other domains beyond software development, such as marketing and project management. However, there are still challenges and limitations to Agile adoption, such as the need for effective communication, alignment with business goals, and cultural change. The Agile community is actively working to address these issues and evolve the methodology to meet the changing needs of the industry.

# Acknowledgements

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# Approval

This paper “**Current State of Agile Approach for Software Development**” submitted by Md. Rubayet Islam Ifti (19201103052), Md. Rashadujjaman Rafi (19201103053), Pias Miah (19201103054), Nabil Hossain Zidan (19201103069), Asha Akter (19201103077) Department of Computer Science and Engineering (CSE), Bangladesh University of Business and Technology, under the supervision of Md. Raisul Alam, Assistant Professor, Department of Computer Science and Engineering (CSE) and Md. Saifur Rahman, Assistant Professor and Chairman of Department of Computer Science and Engineering, has been accepted as satisfactory for the partial fulfillment of the requirement for the degree of Bachelor of Science (B.Sc.) in Computer Science and Engineering and approved as to its style and contents.

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# Declaration

We, **Md. Rubayet Islam Ifti, Md. Rashadujjaman Rafi, Pias Miah, Nabil Hossain Zidan, Asha Akter** declare this paper “**Current State of Agile Approach for Software Development**” and the work presented in it are our own.

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