# Research Paper on Software Development

Software development is a structured process of designing, creating, deploying, and maintaining software applications.

It involves various stages such as planning, analysis, design, coding, testing, and maintenance. The goal is to solve specific user problems through software solutions that are efficient, scalable, and maintainable. Modern software development methodologies, including Agile and DevOps, emphasize iterative progress, collaboration, and customer feedback.

These approaches enhance productivity, reduce errors, and improve software quality. As technology evolves, the integration of AI, machine learning, and cloud computing further transforms software development practices, making automation and continuous delivery more accessible.