**PROJECT PROPOSAL**

Topic : This topic focuses on the importance of code reviews in software development and how they can significantly improve code quality. The project involves researching best practices for code reviews, developing a code review process, and implementing tools or techniques to facilitate efficient and effective code reviews.

Problem that I aim to solve: This project aims to solve the following problems:-

i) Quality of the Code: Code reviews help ensure that the code meets high-quality standards. It provides an opportunity to identify and address potential issues, such as bugs, logic errors, security vulnerabilities, and poor coding practices, before they become more significant problems.

ii) Code reviews foster knowledge sharing and collaboration within a development team. Reviewers can provide feedback, suggestions, and insights that help improve the overall codebase.

Methods: Research on best industrial practices for code reviews that includes guidelines for reviewing code, identifying common code quality issues, and providing constructive feedback to developers.

References:

i) https://dl.acm.org/doi/pdf/10.1145/3377811.3380385

ii)  <https://doi.org/10.1007/s10664-020-09909-5>

iii) <https://ieeexplore.ieee.org/document/6606617>