

A decorative graphic on the left side of the slide, consisting of white and light blue lines and circles that resemble a circuit board or a network diagram. The lines are vertical and horizontal, with small circles at the ends, creating a stylized, abstract representation of technology or data flow.

CICD: A LOW-BUDGET AUTOMATION APPROACH

A PROPOSAL FOR THE ADOPTION OF AN AUTOMATED DEPLOY STRATEGY.

INCREASED DEPLOYMENT SPEED

- In a CI/CD implementation, automation pipelines have the ability to empower the entire workflow to release/deploy application codes quicker, in record time.
- Businesses' revenue can be positively influenced as a result of speedy release of application to the market.
- Developers are happy as well as the target users who enjoy new features.

FREQUENT DEPLOYMENT WITHOUT MANUAL VETTING

- This strategy will definitely improve the time to market delays. Lesser time will be required to deploy applications in an automated system such as CI/CD.
- Udapeople as a product will become capable of competing or strive in the global market.
- Code in production is obviously making money instead of sitting in a queue waiting to be deployed.

ERROR DETECTION AFTER MERGE

- Because turnover can be expensive and disruptive, we can save time when our CI catches errors and detects test failures. This way, cost is reduced and more time is created for doing more.
- Less developer time is spent on issues after new code is added to a repository or any code base.
- A good CI/CD strategy means engineers can work on important projects and not worry about time-consuming manual tasks.

SWIFT INFRASTRUCTURE CREATION AND TESTS

- With the provision of an automation process, infrastructure is made available quickly and cheaply.
- This, in turn means deletion of the same infrastructure can be achieved in a short time, thereby reducing cost.
- With the ability to test such an automated environment, developers and operation team can focus their energy towards a more productive task.