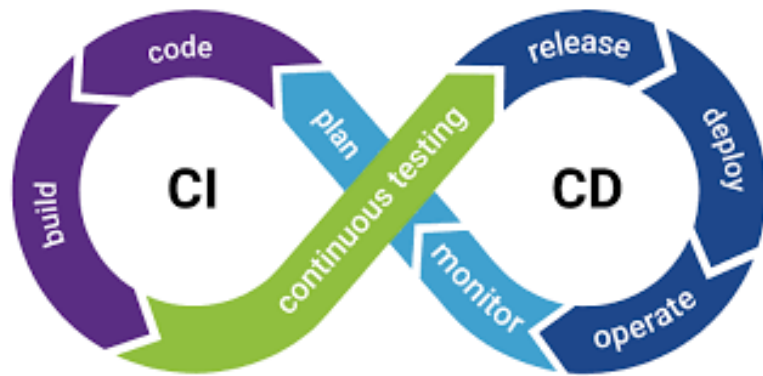# Udapeople CI/CD

TOWARDS RELIABLE AND COST-EFFECTIVE APPLICATION

What is CI/CD

CI/CD, which stands for continuous integration (CI) and continuous delivery (CD), creates a faster and more reliable way of combining the work from different people into one cohesive product.

CI/CD goal

Automating all the software life cycle processes, after writhing the new feature code.

Benefits of the CI/CD pipeline

- ► Reducing time to deployment through automation.
- ► Decreasing the costs associated with traditional software development.
- ► Continuous feedback for improvement.
- ► Improving the ability to address error detection earlier in the development process
- ► Improving team collaboration and system integration

Business cases

Activity	Description	Value
Catch compile errors after each merge	Less time spent finding issues from the new code	Reduce cost
Detect security vulnerabilities	Prevent hacking, ransomwares	Avoid cost
Faster and more relaiable depoyment on production	Add-value, adding new feature to the application	Increase revenue
Automate smoke test	Reduce downtime from deploy related crachs or bugs	Protect revenue