Fundamentals and Benefits of CI/CD

What is CI/CD?

Continuous Integration (CI) - This is the process of merging developers code frequently to ensure uniformity and consistency.

Continuous Delivery - This is the practice of software team releasing deliverables in short circles

Continuous Deployment - The practice of automatically building, testing and deploying code to non-production environment.

Why Continuous Integration (CI)?

Improve Developer Productivity

Find and Address Bugs Quicker

Deliver Updates Faster

Benefits of CI/CD for Udapeople

Code Quality is improved - This increases the quality of deliverables hence less bugs and decreases cost of production. It also decreases the chances of bad code making it to production.

Release circles is accelerated by 15% thereby bringing product to the market faster.
Encourages transparency and accountability.

Project cost is reduced and profit is maximized.