



BENEFIT OF IMPLEMENTING CI/CD

Hung Tong

THE CURRENT CHALLENGES

1. Team takes a long time to complete projects.
2. Error prompts due to lack of communication and testing.
3. Merged code can have many bugs due to build up of bugs.
4. We are spending tremendous amount of time solving bugs introduced by each merged rather working on new features.
5. The risks of delay are high.
6. It's difficult for our team to response to customer requests in a timely manner.

NEW APPROACH: CONTINUOUS INTEGRATION

What is Continuous Integration?

Continuous Integration is the process where our development team would be merging our code changes into a shared directory.

Why is matter?

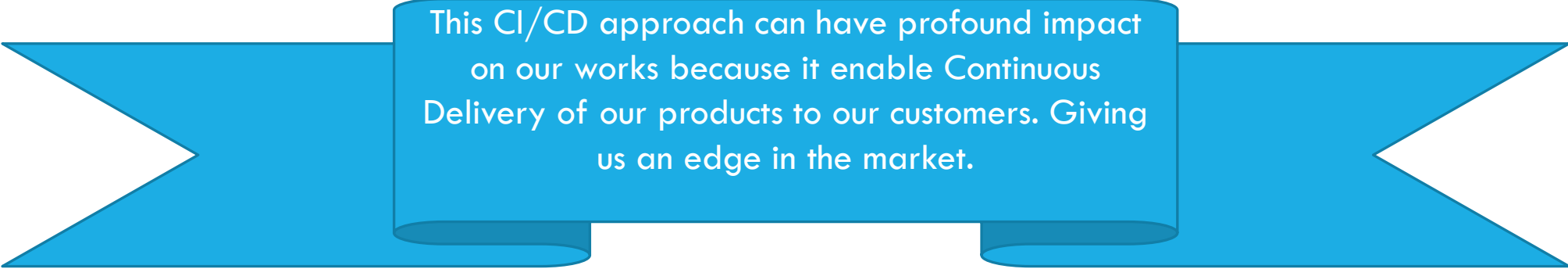
- CI allows our team to have better control of the projects. We can discover bugs and issues sooner. No more cramming before the deadline!
- Our team will communicate better because we are able to see what others are working on. We can get feedback on the code submitted a lot sooner.
- We can release our products to the market much faster.

COMPLETING OURS PIPELINE WITH CONTINUOUS DEPLOYMENT

This come after CI. In this phase we will deploy the working code using automation.

Why is matter?

- This reduces human errors when deploying our projects. We would know what to expect.
- Everything is done automatically!!!
- When something goes wrong, it will revert back to the latest working environment.



This CI/CD approach can have profound impact on our works because it enable Continuous Delivery of our products to our customers. Giving us an edge in the market.

CONCLUSION



CI/CD WOULD REDUCE ERRORS IN THE PRODUCT. IT WOULD REDUCE UNNECESSARY STRESS.



IT WILL INCREASE PRODUCTIVITIES, COMMUNICATION, AND DELIVERY TIME.



AS A RESULT, THIS WOULD REDUCE EMPLOYEES TURNOVER RATE DUE TO FATIGUE, AND INCREASE PROFITABILITY FOR THE COMPANY.



THANK YOU