

The background is a dark blue gradient with a subtle pattern of white dots. Overlaid on the left side are several concentric circles and arcs. A prominent arc features a degree scale from 140 to 260 in increments of 10. Other smaller arcs and circles are scattered across the left and top portions of the image, some with arrows indicating a clockwise direction.

# INTEGRATING CICD TO UDAPEOPLE A NEW WAY FORWARD

# WHY INTRODUCING CICD

The technical team at Udapeople focus on developing and maintaining the Udapeople software packages. However, there are some issues that we face throughout the process of writing a single line of code to providing the value to our esteem customer.

These issue occur as result of some human errors and unpredictability of code during the whole process.

This errors come with some great side effects such as loss of revenue, increase development cost, loss of customer confidence and other effects affecting the growth at Udapeople

As we know, computers tends to reduce human introduce error because of lack of emotions and other factor affecting human decision.

There for automating some of boring task won't only save developer time but also increase our overall growth.

We outline the benefits

# BENEFITS TO TEAMS



1

**Reducing Cost:** As the developer team introduces new code, new error is likely to come up, can save time by finding the error quickly, also unused resources which cost adds up infrastructure costs are easily removed



2

**Increase Revenue:** The company revenue will increase since we are able to release new value-generating features more quickly to the market and beat out our competitors and we have less time to the market



3

**Protect Revenue:** Sometimes, when we experienced some downtimes, the ability to be quickly notified or even predicted before our valuable customer experienced the error will greatly protect our revenue. Also, as new feature is introduced, more likely to experience a major crash, returning to a working state is definitely required

# CHALLENGE TO FACE WHEN USING CICD

1

Automation Cost: Substantial effort, time and money investment is required to adopt CI/CD-based. But the good news is, all of these can be dealt with a good strategy on how to plan the budget.

2

Hard To Maintain: Implementation of CI/CD practices is just not enough, it requires constant support which we have to maintain several pipelines, some of which may even end at different delivery stages what makes the cycle times and the amount of work tough.

## CONCLUSION

Having a discussed some benefits and challenges we will face to fully implement the CICD in our Project.

We believe at Udapeople, our technical team has the ability to implement the necessary steps in taking the company forward to better position using our technical knowledge. CICD will definitely help us improve a lot in our journey at Udapeople.

Thank you