

# DEVELOPMENT OF UDAPEOPLE SOFTWARE PRODUCT

Fundamentals and Benefits of CI/CD to Achieve, Build, and Deploy  
Automation for Cloud-Based Software Products

# BENEFITS OF CI/CD

- ▶ For the development of our UdaPeople Product, we would need to adopt the CI/CD framework. This will not only provide a speedy delivery of the product to our clients, but the product will be free from a deploy-related crash or a major bug which could have led to dissatisfaction from our customers and clients.
- ▶ We will be focusing on the following 4 benefits of CI/CD pipelining and explain the benefits we are sure to accomplish if CI/CD is approved;
- ▶ 1. Increased Revenue
- ▶ 2. Protect Revenue
- ▶ 3. Reduce Cost
- ▶ 4. Avoid Cost

# FUNDAMENTALS OF CI/CD

- ▶ **Continuous Integration(CI)** is the practice of merging all developer's working copies to a shared mainline several times a day. CI handles evth that has to do with code.
- ▶ **Continuous Deployment (CD)** A software engineering approach in which the value is delivered frequently through automated deployments. Everything related to deploying the artifact fits here.

# Some of the benefits we are sure to incur include the following;

- ▶ Less developer time on issues from new developer codes.
- ▶ Less bugs in production and less time in testing.
- ▶ New value-generating features released more quickly.
- ▶ Reduced downtime from a deploy-related crash or major bug
- ▶ This would reduce cost immeasurably because of the lesser time spent on issues.
- ▶ This would help to avoid costs substantially.
- ▶ This would increase revenue because more features in UdaPeople product would be released frequently. Which provided satisfaction within our customer base and even outside of our customer base.
- ▶ A reduced downtime period protects our revenue on the long run.

THANK YOU FOR LISTENING