Exercise: DevOps Planning & Research

You are starting as a Junior DevOps in a IT Company. You get assigned to a new Project that develops software solutions for Banking systems. Currently, you are single devoted DevOps engineer on that project with mixed team members (Devs, QA, PM’s etc). Before the Kick-off of the Project, you are given the task to plan and research the best practices for the project.

1. Explain what steps you are taking for planning and research?

First, we should know what exactly the client wants and need and what the client wants to look like.

We must understand the brief.

We should break the project into a list of tasks.

We should define tasks for each team member.

The team should communicate and collaborate.

Is very important to observe the deadline for the project.

We should identify the risks

We all need to stick to the plan that we make at the beginning.

1. How would you describe the process for DevOps best practices to your colleagues?

The process for DevOps best practices is :

We should build a collaborative culture so the software can be developed and shipped to customers faster.

Also, we should put customer satisfaction first.

We should use project management that helps software engineering teams execute higher-quality projects faster.

We need to adopt continuous integration and delivery

Monitor the right metrics so we will plan the time right.

We should use the right tools to develop the project

We will switch to microservices so we will be building a single application as a set of small services.

1. How would you organize your time for planning and research?

First I will take time to research on the net and plan my time for that.

I will take small tasks and I will plan the time for each task.

1. What methods and tools are you using during this process?

For planning I will use MS office tools, videos, pictures,diagrams,paint and for research I will use the net

1. Describe the short (imagined) presentation of your research and planning, for your team briefly:

My presentation will be in PowerPoint that will contain how I research and plan the project. So in the presentation I will describe the tools I was using in the research and planning, the time that I spent and the organization about my tasks.