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The course emphasizes managing enterprise servers within a DevOps framework. It equips students with the fundamental skills needed to operate a DevOps environment on Linux servers, including configuring and managing services, implementing monitoring systems, and utilizing alerting based on standard practices. The curriculum incorporates Ansible for configuration management and teaches students to collaborate effectively using Git. Additionally, it introduces the concept of immutable environments through containerization technologies and cloud services. Designed to reflect real-world scenarios, the course prepares students to address practical challenges in modern IT environments.

During the Prelim Period, we were tasked to create GitHub account and setup Ubuntu as control node. GitHub was a game changer for me. It provided a structured way to manage code, collaborate on projects, and understand the importance of version control in real-world scenarios. There were activities that utilize Ubuntu as control node as well as it being a managed node.

For the Midterm Period, I learned more about the use of ansible and playbook because of practical application. Installing, configuring, and managing services like MIS and common workloads helped me understand how these technologies support business operations. Monitoring availability, performance, and logs introduced me to tools and techniques that ensure systems remain reliable and efficient. This period reinforced the importance of proactive management in maintaining system integrity, and I felt my confidence growing with every task.

Finally, the final period where the cloud services and docker was introduced. Although the docker wasn't that much utilize in this course. I was able to get the gist on how it was used, its purpose, and where it should be used efficiently. Exploring cloud services was equally inspiring, as it demonstrated how businesses leverage cloud platforms for flexibility and cost efficiency.

This course has been instrumental in shaping my understanding of server management. It has not only equipped me with the technical skills to succeed but also instilled a mindset of continuous learning and adaptability—qualities that I believe will serve me well in my future career.