

Smart Education System

Prof. Chitrangada Chaubey¹, Nitesh Sharma², Akshay Unnikrishnan³, Jaspal⁴

Assistant Professor, Department of Computer Science and Engineering

Students, Department of Computer Science and Engineering

Dronacharya Group of Institutions, Greater Noida, India

ABSTRACT

As we all know, during this covid most of us are working from home or taking sessions from our comfort zone.

Microsoft establishes a way to make this helpful pandemic. We have deployed a solution for educational institutes on how they can run their classes with ease, consistently, secure, and without spending much on their infrastructure.

We have used Microsoft Azure, M365, and other Azure Technologies like Azure Active Directory, Virtual Network, Storage Account, Workspace, and Host pool to accomplish this need.

In colleges, we have segregation between different departments like Mechanical, Electrical, Civil and Computer Science and additional years of student. We have divided the department and years and created a workspace for each segregation. The other department needs different apps and configuration to run the class smoothly. Each workspace has its virtual machine and set of applications to session smoothly.

This technology is based on a pay-as-you-go model, which reduces the total cost of ownership for college premises. Students and professors need to install remote client applications provided by Microsoft on any modern devices like windows, mac, iOS, and android just using the internet. Thus, the application offers seamless connectivity to users after authenticating from Azure Active Directory. The users can access the remote server to do their tasks.

This way, we can simplify the management.