

Q1. What prompted you to choose this topic?

- The reason for choosing this topic is that there is a big change happening in how we use computers and the internet. Instead of just using one computer at a time, we can now use a whole bunch of computers connected together through the internet. This change is called "cloud computing."
- It lets us do things like use programs and store files on the internet, so we can access them from anywhere. This is important because it gives us more freedom to work and share things with others. This topic helps us understand what cloud computing is, how it's different from how we used to use computers, and how it's changing the way businesses and people use technology.

- Also it directly connects with my personal aspirations of becoming a full stack web developer. As technology evolves, understanding concepts like cloud computing becomes crucial for professionals in the field.
- Cloud computing is reshaping how we interact with computers and the internet, and as a future web developer, this knowledge will empower me to create more dynamic and versatile applications. By exploring this topic, I can gain insights into the transformative shifts happening in the technology landscape, which will undoubtedly enhance my skill set and enable me to build innovative and efficient web solutions that leverage the power of cloud computing.

Q2) How are the objectives specified in your study connected with the review of literature?

♦ Objective 1: Comprehensive Understanding of Cloud Computing: In order to fulfill this objective, I extensively covered the foundational concepts, operational mechanisms, and various layers of cloud computing within the literature review. I discussed essential terms, deployment models like public, private, hybrid, and community clouds, and went into detail about cloud architecture components such as front-end, back-end, applications, services, storage, management, and security. By thoroughly explaining these fundamental aspects, I aimed to provide readers with a robust grasp of what cloud computing truly entails.

- Objective 2: Distinguishing Cloud Computing from Conventional Technologies: To address this objective, I delved into a detailed comparison between cloud computing and traditional IT paradigms within the literature review. I highlighted the unique advantages of cloud computing, such as its shift from capital to operational expenses, scalability, agility, and resource sharing. Conversely, I also discussed the challenges organizations face, like security, cost management, expertise, and control, when adopting cloud services. By juxtaposing these differences, I aimed to clearly differentiate cloud computing from conventional technologies.
- Objective 3: Exploring the Impact on the IT Industry: I discussed how cloud computing impacts work methodologies, collaboration, accessibility, and flexibility. I provided real-world examples, like Dell and Facebook, to showcase how cloud technology has been adopted across industries. Furthermore, I highlighted the specific challenges organizations need to address during cloud adoption, including security, compliance, governance, and performance. Lastly, I proposed strategies and policy interventions to facilitate cloud adoption and optimize its benefits.

Q3. State the challenges faced by you while conducting the study for your seminar topic.

- While working on my seminar topic about cloud computing, I encountered some challenges.
- Cloud computing has a lot of technical terms that can be confusing. It took time to understand and explain them in a simple way for everyone to grasp.
- Cloud computing affects various industries and roles differently. Understanding these different perspectives and presenting a well-rounded view was a bit challenging.
- ♦ The technology is evolving quickly. It was a bit challenging to stay updated with the latest developments and make sure my information was current.

Q4. Highlight the findings of your study conducted for this seminar.

- ♦ Cloud computing represents a transformative shift in how technology is accessed, used, and managed.
- Cloud computing operates through three distinct service models: Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS).
- Cloud computing offers numerous advantages, including cost-effectiveness, dynamic scalability, accessibility, and reduced infrastructure management.
- Despite its benefits, cloud computing presents challenges such as security concerns, cost management, resource expertise, governance, compliance, and network dependency.
- Cloud computing has transformed industries, from startups to large

Q5.How do your findings bridge the gap between your seminar objectives and current industry practice?

The seminar's insights into challenges and considerations in cloud computing align with current industry practices. Security concerns, cost management, and resource expertise are common challenges faced by organizations adopting cloud solutions. The seminar's recommendations for policy interventions to promote cloud adoption resonate with ongoing industry discussions about enhancing data flow agreements and compliance.

Q6. State the conclusion and future scope of the seminar topic.

- ♦ Conclusion:
- Cloud computing has revolutionized technology by offering streamlined management, data security, and resource efficiency. It acts as a guardian for data and accelerates innovation, leading us to a more cost-effective and efficient digital future.
- Future Scope:
- ♦ Future research could focus on improving government services through cloud integration, revolutionizing healthcare with cognitive cloud, empowering startups, transforming different sectors, overcoming cloud adoption challenges, measuring the economic impact, and refining policy frameworks for India's digital growth.

Thank You!