



SNS COLLEGE OF ENGINEERING

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An Autonomous Institution

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Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING(IoT and
Cybersecurity Including BCT)**

COURSE NAME : cloud service management

IV YEAR / VII SEMESTER

Unit II-

Topic : Risk Management

FIGURE 1.



Figure 1 The cloud computing risk management framework proposed in this paper



What is Risk Management in Cloud Computing?

- Before learning risk management, let us take a glance at cloud computing. Cloud computing is a technology that allows its user to access resources such as storage, memory, network, and computing; these resources are physically present at any geographical location, but can be accessed over the internet from anywhere in the globe.
- This advancement in technology has revolutionised the working of businesses and organisations. More and more organisations are investing in cloud deployment infrastructure rather than on-premise infrastructure.
- This mobilization of technology introduces new risks associated with cloud computing, which needs to be treated with foresight.
- To manage these risks, risk management plans are implemented by organisations. Risk management is the process of identifying, assessing, and controlling threats to an organisation's system security, capital and resources.



- Effective risk management means attempting to control future outcomes proactively rather than reactively. In the context of cloud computing, risk management plans are curated to deal with the risks or threats associated with the cloud security.
- Every business and organisation faces the risk of unexpected, harmful events that can cost the organisation capital or cause it to permanently close.
- Risk management allows organisations to prevent and mitigate any threats, service disruptions, attacks or compromises by quantifying the risks below the threshold of acceptable level of risks.