SRI VENKATESWARA COLLEGE OF ENGINEERING
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(An Autonomous Institution)

Department of Information Technology

REPORT ON APPLICATION PERFORMANCE ENGINEERING

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Objectives

- To get an exposure on Application Performance Engineering
- To Increase business revenue by ensuring the system can process transactions within the requisite timeframe.
- To eliminate system failure requiring scrapping and writing off the system development effort due to performance objective failure.

About the programme

Application performance engineering is an essential practice for any DevOps team, allowing developers across departments to stay agile and efficient. With the right integration, teams can identify potential performance issues in their apps much earlier in the development process and create consistent high-quality fixes. While developers may traditionally think of performance engineering as hardware and software elements, like throughput, response time, and overall utilization, performance engineering is really just techniques used to ensure that the components of your network are achieving their intended mission.

Distributed applications are built with multiple complex modules, and need to offer users different and dynamic response times depending on their intended functions. Performance engineers run tests to determine the stability of particular solutions. That allows both designers and developers to find specific flaws of a system to then test and tweak potential solutions.

As the rise of application performance engineering continues, dev teams will need to build processes throughout the entire lifecycle of a system. This gives teams more flexibility, raw data, and better opportunities to automate processes and configure potentially disruptive components efficiently.

Benefits

1. Enhanced Experience & Quality From a User's Perspective
2. Reduced Costs Due to Early Detection of Application Defects

Coordinators
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Screenshots