**DECLARATION**

The Project Report entitled “Sample network for an enterprise by installing network based firewall” is a record of bonafide work of Jyothin Movva (2010030071), Satya Varsan KS (2010030151), Devaraj Acharya (2010030040), submitted in partial fulfillment for the award of B.Tech in the Department of Computer Science and Engineering to the K L University, Hyderabad. The results embodied in this report have not been copied from any other Departments/University/Institute.

Jyothin Movva (2010030071)

Satya Varsan KS (2010030151)

Devaraj Acharya (2010030040)

**CERTIFICATE**

This is to certify that the Project Report entitled “Sample network for an enterprise by installing network-based firewall” is being submitted by Jyothin Movva (2010030071) ,Satya Varsan KS (2010030151), Devaraj Acharya (2010030040), submitted in partial fulfillment for the award of B.Tech in Dr. P Lalitha Surya Kumari to the K L University, Hyderabad is a record of bonafide work carried out under our guidance and supervision.

The results embodied in this report have not been copied from any other departments/ University/Institute.

## Signature of the Supervisor

Dr. P Lalitha Surya Kumari

## Signature of the HOD Signature of the External Examine

**ACKNOWLEDGEMENT**

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**ABSTRACT**

* In this project we are going to design a network for an enterprise with firewall
* When it comes to enterprise networking, every organization has different needs, and in the era of digital transformation, modern enterprises are relying more on software-driven solutions to power intelligent network architecture, automation, and design.
* We will be using different topologies together for the LANs and the web server setup to achieve an easy to setup and secure architecture for the implementation.
* Firewall is used for network security and its job is to monitor and filter incoming and outgoing network traffic in order to keep the network safe from any vulnerabilities or threats

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