

## 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.

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# 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

First and foremost, we thank the lord almighty for all his grace & mercy showered upon us, for completing this project successfully.

We take grateful opportunity to thank our beloved **Founder and Chairman** who has given constant encouragement during our course and motivated us to do this project. We are grateful to our Principal **Dr. L. Koteswara Rao** who has been constantly bearing the torch for all the curricular activities undertaken by us.

We pay our grateful acknowledgement & sincere thanks to our Head of the Department **Dr. Chiranjeevi Manike** for his exemplary guidance, monitoring and constant encouragement throughout the course of the project. We thank **Dr. P Lalitha Surya Kumari, Dr. Gayathri Edamadaka** of our department who has supported throughout this project holding a position of supervisor.

We whole heartedly thank all the teaching and non-teaching staff of our department without whom we won't have made this project a reality. We would like to extend our sincere thanks especially to our parent, our family members and friends who have supported us to make this project a grand success.

## **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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