



DigiEduHack Solution Colombo - Making Learning Efficient Challenge: Peer learning in a global context

Secure Web Defender

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Secure Web Navigator is a plug and play networking device that covers three modules as Dynamic Intrusion detection, Dynamic URL blacklisting and white listing and dynamic quota management using Machine Learning. This device is user friendly and its cheaper.

Team: TeraByte

Team members

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Solution Details

Solution description

It will provide secure web navigation with URL categorization module for Site blacklisting and whitelisting, an intrusion detection module as well as a quota management module all in one, while focusing on affordability and user-friendliness as key factors. It will take the rule based static techniques usually used in such technologies to the next level by introducing dynamic and real time protection and quota management with the use of multiple Machine Learning models well trained with both unsupervised and supervised learning techniques. It is crucial that even web connections at educational institutes are safe as well as well managed so that the children receive a high quality web navigation experience.

Solution context

Secure Web Navigator is a plug and play networking device which provides secure web navigation for its users. The targeted audience of this devices are Schools all around the country, Educational Institutes and home networks where children use network for their daily activities. The device

covers three modules as Dynamic Intrusion detection, Dynamic URL backlisting and white listing and dynamic quota management using Machine Learning. The Important of this device is, it acts like a network defender, it's user friendly and its cheaper. The device manages the child's network usage and protects your child from malicious content.

Solution target group

The targeted audience of this devices are Schools all around the country, Educational Institutes and home networks where children use network for their daily activities.

Solution impact

The Important of this device is, it acts like a network defender, it's user friendly and its cheaper. The device manages the child's network usage and protects your child from malicious content.

Solution tweet text

Protecting child while connecting - Secure Web Navigator

Solution innovativeness

No such device to protect children when they navigate the internet

Solution transferability

It can be integrated into any educational environment easily.

Solution sustainability

Data protection acts legalized globally require a solution such as ours.

Solution team work

All the members contributed equally.