



SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

**Enterprise Standards and Best Practices for IT Infrastructure
(ESBP II)**

4th Year 2nd Semester 2016

**Business case for an
Information Security Management System (ISMS) based on the
ISO/IEC 27000 series standards (ISO27k)**

For

Virtusa (pvt) Ltd

(<http://www.virtusa.com/about-virtusa/our-offices/#SL>)

Name: K.G.C.C Kulasekara

SLIIT ID: IT13133146

Date of Submission: 08/27/2016

Why security certification?

Information Security Management System (ISMS) is the certification globally trusted to validate foundational, vendor-neutral IT security knowledge and skills. As a benchmark for best practices in IT security, this certification covers the essential principles for network security and risk management – making it an important stepping stone of an IT security career. The customers of the Virtusa, i.e. Clients, and Employees, require continuous access to services, up to 100% up-time of systems, security for personal information and access controls to information.

Executive summary

Benefits

The ISMS will bring information security under firm management control, allowing direction and improvement where needed. Better information security will reduce the risk (probability of occurrence and/or adverse impacts) of incidents, cutting incident-related losses and costs.

Other benefits of the ISMS include:

- A structured, coherent and professional approach To the management of information security, aligned with other ISO management systems.
- Increase the confidence of customers and Customer satisfaction.
- Certification can ensure an advantage over competitors.
- Supply a framework demonstrates legal and regulatory requirements, no law breaking means no penalties.
- Reduction in incidents and support costs.
- Ensure Continuous access to service.
- Ensure net available all the time – “Medical grade network”
- Ensure up-time 99.997% or 99.9999% of systems.

Costs

Most of the costs associated with information security would be incurred anyway since information security is a business and compliance imperative. The additional costs specifically relating to the ISMS are mainly:

- Resources needed to design, implement and operate the ISMS, including project management for the implementation project.
- Expensive, requires specific IT budget.
- Special expertise required.
- Lack of knowledge.
- Time required applying them to organizational users.
- Resources required providing ongoing training and awareness.
- Have to increase Servers and data storage facilities.
- Access issues, delay for system.
- Poor active participation of employees.
- Changes needed to bring various business processes and activities in line with the ISO standards.
- Third party compliance audits (optional – only required if we decide to go for certification, a decision that can be made once the ISMS is working).

Github Link – (<https://github.com/CharithaKulasekara/ESBP-II-IT13133146/tree/master/ESBP-II-LAB5>)