

**SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY**

[**Enterprise Standards and Best Practices for IT Infrastructure**](http://courseweb.sliit.lk/course/view.php?id=137)

**(ESBPII)**

**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](http://www.virtusa.com/about-virtusa/our-offices/%23SL%20) **)**

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**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.
* Pooractive 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/ESBPII-IT13133146/tree/master/ESBPII-LAB5> )