

SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

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

**4th Year 2nd Semester 2016**

Name : Sampath I.D.C

IT No : IT13079482

Practical Session : WE

Practical Number : Lab 5

**Introduction**

John Keells Computer Services established in the year 1998 as the software subsidiary of John Keells Group, John Keells Computer Services has been providing software services to a variety of industries and conglomerates across the globe for over a decade. Stemming from its core function of providing Software Engineering Services, JKCS set footprint into the Aviation industry covering full service carriers and regional airlines, airports and aviation software companies as its first product initiative under the “Evinta” brand name.

**Why John Keells Computer Services needs an Information Security Management System?**

John Keells Computer Service is a multinational company which holds large amount of information. Over the past 15 years JKCS and its subsidiaries have served customers in over 40 countries across 6 continents. Among the many number services, some services are providing via their internal severs. Therefor those information should have a higher level of security protection over the wide open public networks in a well define manner. As JKCS is doing large scale projects for multinational businesses, it is vital for organization like their selves to have an Information Security Management System for the sake of their worldwide recognition. As a business company they need a legal obligation under the Data Protection Act.

The ISO 27001 standard is designed to ensure that adequate and proportionate security controls are put in place to ensure Data Protection and protect sensitive company information and data in order to comply with Data Protection laws and also to gain customer confidence.

Benefits of implementing an Information Security Management System based onISO/IEC 27000 series standards (ISO27k)

ISMS benefits

* Credibility, trust and confidence of your customer.
* Great awareness of security.
* Securing confidentiality, integrity and availability.
* Compliance with legislation.
* Prevention of confidentiality breaches.
* Prevention of unauthorized alteration of critical information.
* Prompt detection of data leakage and fast reaction.
* Meeting international benchmarks of security.
* Organization will improve credibility and trust among internal stakeholder and external vendors

Benefits of standardization

* Common framework for businesses to follow.
* Risk based approach to help plan and implement an Information Security Management System.
* ISO 27001 ensures the right people, processes, procedures and technologies are in place to protect information assets.
* ISO 27001 protects information and ensures its confidentiality, integrity and availability are maintained.

ISMS costs

* Find a suitable project manager to implement ISMS.
* Prepare an overall information security management strategy.
* Project implementation planning.
* Employ/assign, manage, direct and track various project resources.
* Hold regular project management meeting involving key stakeholders.
* Identify and deal with project risk.
* Compile and inventory of information assets.
* Assess security risk to information assets.
* (Re-) design the security architecture and security baseline.
* Assess and select a suitable certification body.