

NICF-Legal and Regulatory Considerations for the IT Environment



Course Overview

This module is designed to give a detail knowledge and understanding of the principles, nature and development of legal environment of information technology. Among the topics to be addressed are intellectual property of computer software and database, legal challenges in protecting virtual property and multimedia entertainment contents, legal aspects of information security and data privacy, negotiation and design of information technology service contracts, and legal and regulation on cloud computing. The module serves for two purposes. On one hand, it enables information technology professionals to understand how to use legal resources to protect their properties and rights; on the other hand, it teaches IT practitioners how to handle liability issues in the IT sectors and reduce legal risks. Real-world examples from the text and current events will be used to demonstrate the applicability of the law, legal compliance, and limitations of legal protections.

■ Duration

3 days

■ Venue

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Programme Benefits

- Understand the legal issues created by new IT service and emerging IT-related business models (e.g., cloud computing)
- Learn to protect individual and enterprise's rights through intellectual property laws, contracts, data privacy, and information security law
- Understand the legal compliance responsibilities and the legal constraints under which an IT manager or an IT entrepreneur must operate
- Exploit the best practices for leveraging legal and technological measures in protecting intangible properties and mitigating the property misappropriation risks and legal compliance risks
- Design and deploy security policy and negotiate IT contract (e.g., licensing agreement, IT outsourcing contracts, cloud computing contracts, etc.)

Programme Outline

I. Information Technology and Intellectual Property

- Overview of intellectual property rights
- Copyright and computer programs
- Database copyright and the database right
- Intellectual property right of user-generated contents
- Patent law and information technology
- Law of confidence and information technology

II. Negotiation and Design of Information Technology Contracts

- Fundamental of IT contracts
- Liability for defective hardware or software
- Contracts for writing software
- License agreements for ready-made software
- Open-source software licenses
- Website development contracts

- IT/BPO outsourcing contracts
- Cloud computing contracts

III. Information Security and Data Protection

- Fundamentals of information security law
 - Computer Misuse Act
 - Unauthorized access to computer material
 - Unauthorized modification of computer programs or data
- Data protection law
 - USA, European Union, and Singapore's related law
 - Data subject's rights
 - Privacy in electronic communications
- Data controllers and data processor's liability in protecting information security and data security
- Current standards and frameworks for cloud services (e.g., ISO/IEC 27000 series – Information Security Management, NIST)

Who Should Attend

IT project managers, IT entrepreneurs, and practitioners who are responsible for the management of information technology and systems.

Course Leader



Dr. Chen Yuanyuan

Assistant Professor in the Department of Information Systems at the National University of Singapore (NUS)

Dr. Chen Yuanyuan is an Assistant Professor in the Department of Information Systems at the National University of Singapore (NUS). She joined NUS in September 2008 after she received her Ph.D. (2008) and LL.M (Master of Law) degrees from Emory University (USA). She also holds a LL.M degree from National Huaqiao University (China) and is a certified lawyer in China.

Dr. Chen's current research focuses on management of IT-enabled services and cloud computing. Her research covers the following areas: (1) negotiation and design of cloud computing contracts/service level agreements; (2) data security and privacy in cloud computing; and

(3) cloud computing standards and inter-cloud interoperability. Her research on cloud computing contract design is widely accepted and cited by academic scholars and IT professionals. Recently, Dr. Chen received National University of Singapore Young Investigator Award for her research about data management policy in cloud computing. Her work has been published in many top academic journals such as *Information Systems Research* and *Journal of Singapore Academy of Law*.