



Let's Reach For Excellence!

TAN DUC INFORMATION TECHNOLOGY SCHOOL JSC

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Information Technology Management - Advanced Skills

Duration: 03 days

The course prepares students for professional careers in a rapidly changing and competitive environment by demonstrating the connection between IT concepts and practice clearly.

Each chapter contains numerous case studies and real world examples illustrating how businesses increase productivity, improve efficiency, enhance communication and collaboration, and gain competitive advantages through the use of Information Technologies.

COURSE OUTLINE

Part I Maximizing the Value of Data and Information Technology

A Look Toward the Future of Information Technology

- IT and Management Opportunities and Challenges
- Top Management Concerns and Influential ITs
- IT Agility, Consumerization, and Competitive Advantage
- Strategic Planning and Competitive Models
- Why IT is Important to Your Career, and IT Careers

Information Management and IT Architecture

- Information Management in the 2010s
- IT Architecture
- Information Systems and IT Infrastructure
- Cloud Computing and Services
- Virtualization and VM (Virtual Machines)

Database, Data Warehouse, and Data Mining

- Database Technology
- Data Warehouse and Data Mart Technologies
- Data and Text Mining
- Business Intelligence (BI) and Analytics
- Digital and Physical Document Management

Networks, Collaboration, and Sustainability

- Business IT Networks and Components
- Wireless Network Applications and Mobile Infrastructure
- Network Management and Search
- Collaboration and Communication Technologies
- Sustainability and Ethical Issues

CyberSecurity, Compliance, and Business Continuity

- Up Close Look at Cybercrimes, Criminals, and Motivations
- IT Vulnerabilities and Threats
- Defending Against Fraud
- Information Assurance and Risk Management

- Network Security
- Internal Control and Compliance
- Business Continuity and Auditing

Part II Digital, Mobile and Social Commerce

E-Business & E-Commerce Models and Strategies

- E-Business Challenges and Strategies
- Business to Consumer (B2C) E-Commerce
- Business to Business (B2B) E-Commerce and E-Procurement
- E-Government and Public Sector IT Trends
- E-Commerce Support Services and Digital Marketing Communications
- E-Business Ethics and Legal Issues

Mobile Technologies and Commerce

- Mobile Computing Technology
- Mobile Commerce
- Mobile Transactions and Financial Services
- Location-Based Services and Commerce
- Mobile Enterprise Applications

Web 2.0 and Social Media

- Web 2.0 and Social Media
- Virtual Communities and Social Networking Services
- Enterprise 2.0—Social Networks and Tools for Business
- Social Media Metrics
- The Future: Web 3.0

Enterprise Systems and Applications

- Enterprise Systems
- Enterprise Resource Planning (ERP) Systems
- Supply Chain Management (SCM) Systems
- Collaborative Planning, Forecasting, and Replenishment (CPFR) Systems
- Customer Relationship Management (CRM) Systems

Performance Management using Data Visualization, Mashups, and Mobile Intelligence

- Data Visualization and Data Discovery

- Enterprise Data Mashups
- Business Dashboards
- Mobile Dashboards and Intelligence

Part III Enterprise Systems and Analytics

Functional Area and Compliance Systems

- Management Levels and Functional Systems
- Manufacturing, Production, and Transportation Systems
- Sales and Marketing Systems
- Accounting, Finance, and Compliance Systems
- Human Resources Systems, Compliance, and Ethics

Part IV IT Planning, Strategy, and Ethics

IT Strategy, Sourcing, and Vendor Relationships

- IT Strategy and the Strategic Planning Process
- IT Governance
- Aligning IT with Business Strategy
- IT Operating Plans and Sourcing Strategies
- IT Vendor Relationships

Business Process and Project Management

- Business Process Management (BPM)
- Software Architecture and IS Design
- IT Project Management
- Systems Development

IT Ethics and Responsible Conduct

- Can IT Cut its Global Carbon Footprint? Can Users?
- Responsible Conduct
- Connectivity Overload and a Culture of Distraction
- On the Verge of a New Tech Revolution
 - Glossary G-1
 - Organizational Index O-1
 - Name Index N-1
 - Subject Index S-1

