

COURSE CODE	COURSE TITLE	L	T	P	C
1152IT147	CLOUD STRATEGY PLANNING AND MANAGEMENT	3	0	0	3

#### **UNIT I - ACHIEVING BUSINESS VALUE FROM IT TRANSFORMATION (9 hours)**

Moving to a cloud architecture and strategy to achieve business value. BPM, IS, Porter's Value chain model and BPR as a means of delivering business value; Developing Business Strategy: Investigate business strategy models to gain competitive advantage for organizations, SWOT/PEST, Economies of scale, Porter's 3 Strategies and 5 Competitive Forces, D'Aveni's hyper competition models.

#### **UNIT II - STRATEGIC IT LEADERSHIP IN THE ORGANIZATION (9 hours)**

Emphasize the roles of the strategic IS/IT leaders such as Chief Information Officer (CIO) and the Chief Technology Officer (CTO) in planning and managing IT Strategic development in the organization.

#### **UNIT III - PLANNING A CLOUD COMPUTING BASED IT STRATEGY (9 hours)**

Develop an IT strategy to deliver on strategic business objectives in the business strategy. IT Project planning in the areas of ITaaS, SaaS, PaaS and IaaS are essential in delivering a successful strategic IT Plan.

#### **UNIT IV - SOA AND BUSINESS AGILITY (9 hours)**

Shared services delivered by a Service Oriented Architecture (SOA) in a Private or Public Cloud. Services, Databases and Applications on demand. The effect on Enterprise Architecture and its traditional frameworks such as Zachman and The Open Group Architecture Framework (TOGAF).

#### **UNIT V - BENEFIT REALIZATION AND IT GOVERNANCE (9 hours)**

Managing resources (people, process, technology), to realize benefit from Private/Public Cloud IT services (IaaS, PaaS, PaaS, SaaS), Gartner's 5 pillars of benefit realization. IT governance as a service in measuring the delivery of IT Strategy from Cloud IT Services using Sarbanes Oxley (CobIT) and other commonly-used approaches.

#### **TEXT / REFERENCES BOOKS**

1. Arnold J Cummins, Easiest Ever Guide to Strategic IT Planning
2. Andy Mulholland, Jon Pyke, Peter Finger, Enterprise Cloud Computing - A Strategy Guide for Business and Technology Leaders, Meghan Kiffer [ISBN: 0929652290]
3. David S. Linthicum, Cloud Computing and SOA Convergence in Your Enterprise, Addison Wesley [ISBN: 0136009220]
4. Charles Babcock, Management Strategies for the Cloud Revolution, 1st Ed., McGraw/Hill [ISBN: 0071740759]