1. Title	Develop a network technology architecture model
2. Code	ITSWAR510A
3. Range	Develop and recommend a network technology architecture model that is applicable to the needs of various stakeholders in an organisation [Architecture – Network Architecture]
4. Level	5
5. Credit	5
6. Competency	6.1 Understand various network technology architecture models 6.2 Develop a network technology architecture model professionally 6.3 Validate a network technology architecture model

6. Competency

6.1 Understand various network technology architecture models

Performance Requirement
Be able to
- select the appropriate network technology architecture models for business
- select the appropriate industry-based reference models for the business

6.2 Develop a network technology architecture model professionally

Be able to
- develop appropriate network architecture model based on the network technology architecture principles and business requirements in accordance with the organisation's policies and procedures
- systematically identify the building blocks that are needed in the target network architecture and / or should be removed from the current baseline network architecture
- clearly explain the reasons to exclude those building blocks to be removed from the baseline network architecture
- clearly explain the reasons to include those building blocks (e.g. services, functions) that are needed to support the target network architecture in alignment with the business needs
- clearly explain the reasons to include those building blocks in the target network architecture in alignment with business goals
- select the appropriate industry-based reference model(s) for the business
- develop a network technology architecture model to meet the requirements as stated in the network technology architecture principles

6.3 Validate a network technology architecture model

Be able to
- test the network technology architecture model to ensure that it addresses the requirements for completeness
- conduct a formal checkpoint review of the architecture model and its building blocks with stakeholders, ensuring the business goals are met
- perform final cross check to ensure the overall architecture model addresses the business requirements

7.	Assessment Criteria	The integrated outcome UoCs requirements of this UoCs are the ability to develop a network technology architecture model that addresses the business requirements based on the stakeholder needs.
Remark		Pre-requisite: ITSWAR509A