Policy makers and literature recognise the central role that Small and Medium-sized Enterprises play in contributing towards the functioning of the wider economy. Cloud computing has become one area for SMEs, given its growth in multinational and globally acting corporations.

1- Background

2- Aim

To design and develop a model for cloud computing adoption that can support SMEs to match their business needs to improve their performance and competitiveness.

3- Objectives

1) To review the barriers faced by SMEs when adopting cloud computing
2) To map SME business IT applications into levels of complexity and match to cloud application offerings
3) To design a model for cloud-based applications layered by complexity & implementation difficulties
4) To propose and test a relationship model of cloud applications complexity to Saudi SME adoption

4- Research Methodology

Comprehending the Context

Research Gaps

Business Problem

Research Design

Mixed Methods

Data Collections & Analysis

Model Creation

Findings

5- Findings

A preliminary field study was conducted to gain an initial appreciation of Saudi business IT attitude towards cloud computing.

The research narrowed these barriers into context specific (Saudi Arabia).

The initial model to analyse critical cloud adoption barriers for manufacturing SMEs

6- Research Outcome

This research will move existing knowledge forward by recognising the heterogeneous nature of cloud applications and classifies barriers based on complexity of the applications and contribute to the Saudi Vision 2030.

Supervisors: Dr Ip-Shing Fan, Email: I.S.Fan@cranfield.ac.uk
Dr Patrick McLaughlin, Email: p.mclaughlin@cranfield.ac.uk

www.cranfield.ac.uk

2019