Evolutionary Conceptual Model for M-Government

Mohammad Sharif Abbasi
PhD, Student
Sharif.abbasi@brunel.ac.uk
Brunel Business School

Abstract
World is changing from stationary to nomadic computing, and new paradigm of context-free mobile computing in government services is emerging now, due to high penetration of smart phones, hand-held devices and mobile communication technologies including 2.5G (GPRS, CDMA 2000 1X) and 3G (WCDMA, CDMA 2000 3X), WLL and WLAN etc network. Governments needs to reduce the cost of infrastructure to push/pull its services to stakeholders (Citizens, Employees, Business organization and Governmental departments), and it requires high level of Integration at both vertical and horizontal level, whilst stakeholders needs empower themselves by pulling/pushing the services in effective and efficient manner.

Based on literature review it’s been observed that most of m-Government infrastructures are remained less conducive to produce abundance benefits due to the lack of conceptual models and their evolution in system environment. Keeping this in view a new design of the Evolutionary Conceptual model (Evolutionary due to unpersistence nature of actors involved in system design) is required, that investigates the member actors to manage the m-Government System. Actors will be like; Organizations, Services, Technologies and Finance, and also their interdependencies will be identified. Evolution of model will be perceived on the basis of users Adoption, Acceptance and Appropriation.

Methodology will be Structured-case though which, the conceptualization (Designing graphically or theoretically the actors and their relations with one and each other) will be identified, and on the basis of conceptualization Action research or the research cycle (plan, collect, analyze and reflect) will be used in data field for gathering qualitative data, and finally the literature-based scrutiny of model will be built (iterative process). Purpose of using Structured-Case methodology is only that there are very less modeling designs available, in adoption and usage of m-Government, so building theory or model is difficult task. The critical analysis will be undertaken on
the models available in EAI (Enterprise Application Integration), and ERP (Enterprise Resource Planning), Information System Evaluation, M-Commerce, E-government and E-business implementation.

Following are the expected chapters in thesis write-up.

**Chapter One:**
- i. Introduction
- ii. Problem Statement
- iii. Justification of study
- iv. Limitations

**Chapter Two:** Literature Review

**Chapter Three:** Critical Analysis of Actors and their issues.

**Chapter Four:** Identification of suitable Research Strategy and Methodology.

**Chapter Five:** Data collection and Analysis.

**Chapter Six:** Conclusion and Future recommendations

References

Appendices

Tables and Figures

**Bibliography:**

Jennie Carroll, (2006),’What’s in it for me?: Taking M-government to the people’, 19th Bled eConference eValues, Bled, Slovenia, June 5-7-2006.


Yoojung Kim, Jongsoo Yoon, Seungbong Park, Jaemin Han, (2004),’Architecture for implementation the mobile government services in Korea’, ER Workshop 2004.