INVESTIGATING A FRAMEWORK FOR PROVIDING MOBILE BANKING OPPORTUNITIES TO RURAL SMES IN BANGLADESH

A Dissertation Presented

by

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Submitted to
Faculty of Engineering and Information Technology (FEIT)
Of the
University of Technology Sydney (UTS)
of the requirements for the degree of

Master of Science in Computing Sciences (Research)

August, 2014
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Certificate of Original Authorship

I certify that the work in this thesis has not previously been submitted for a degree nor has it been submitted as part of requirements for a degree except as fully acknowledged within the text.

I also certify that the thesis has been written by me. Any help that I have received in my research work and the preparation of the thesis itself has been acknowledged. In addition, I certify that all information sources and literature used are indicated in the thesis.

Signature of Student:

Date: 8/7/2014
Acknowledgements

This thesis would not have been accomplished without the marvellous help, I received from my supervisors, the participants in this research, the University of Technology Sydney (UTS) research support team and my family. I take the opportunity to thank those people who contributed to this research and to whom I am greatly indebted.

First of all, I had the great fortune to study under the supervision of Dr Laurel Dyson and Associate Professor Valerie Gay. I am very grateful for their supervision and guidance. Their sage advice, insightful criticisms and patient encouragement aided the writing of this thesis in innumerable ways. I am especially grateful to my principal supervisor Dr Laurel Dyson, a great person and a scholar in mobile technology, for the skilful ways in which she lovingly challenged and supported me throughout the whole of this thesis—knowing when to push and when to let up. I would also like to thank my alternative supervisor, Valerie Gay, a great scholar in mobile technology, for her support and contributions in this research.

The completion of the thesis would have been a myth if not for Bee Bee Chua, who actually encouraged me to do this research and directed me to the right path. Thank you Bee Bee for trusting me on my abilities. I would also like to extend my heartfelt gratitude to Dr Terry D. Royce, Senior Lecturer & Research Coordinator, who spent a lot of time to help improve my writing and English.

I would also like to acknowledge and thank all the research participants and particularly the Small and Medium Enterprise (SME) owners and managers, who gave their time to the survey and shared their views despite of their shortage of time. The focus group and interview participants from the banks and mobile operators who participated actively in the research also deserve more than a simple ‘thank you’ and I hope the findings from this research will be a useful reference to them and their companies.

Without the financial support from UTS, this research could not have become reality. I therefore thank UTS and a range of people from Faculty of Engineering and IT and the
Research Administration. Especially, I would like to thank Craig Shuard, the Research Administration Officer, who was there always with extended support regarding any administrative needs.

Last but definitely not least, I would like to thank my wife Saiky, my son Ayat, my parents, and my brother Vaia for their emotional support and encouragement during this research. Thanks for their endless love and support throughout my life.
Abstract

The purpose of this thesis is to develop an m-banking (mobile banking) framework for rural SMEs (small and medium enterprises) in Bangladesh. This research is significant as there is relatively little known about the use of m-banking by SMEs in Bangladesh, despite their importance as the second largest source of income in the country. The research, as well as adopting a business focus rather than a consumer focus, as most studies to date have done, also pinpoints several factors that have been largely overlooked in the literature. In seeking to identify a comprehensive range of both micro- and macro-level determinants of m-banking, the resulting framework includes customer perspectives, organisational perspectives and country-level factors that impact on the adoption of m-banking by rural SMEs. In developing the framework, the research employed a mixed methods approach, consisting of a survey of SME owners and managers, followed by interviews and a focus group study with banks and MTOs (Mobile telecommunication organisations).

The research found that poor banking facility, cost, credibility, gender, education and SME business type are the main customer perspective factors that significantly influence the intention of SME owners and managers to adopt m-banking. The findings suggest that the most important advantages of m-banking for rural SMEs comprise improved banking facility, easy settlement of trade, and an improved SME business environment due to faster transactions and better cash management. On the other hand, for banks and MTOs, m-banking can generate profits, improve customer service and management, decrease operating costs, increase brand image and create employment in rural areas. The findings with respect to organizational factors suggest that having an m-banking project within the bank’s/MTO’s objectives, their level of engagement with SMEs, the technology and human resource capabilities of the banks, the development of mobile infrastructure, and top-level management’s support are important in m-banking development. However, barriers to providing m-banking to the rural SMEs include lack of banks’ effective leadership, limited vision regarding m-banking by the stakeholders, MTOs’ reluctance to make partnerships with new banks, and m-banking providers’ competencies and security. Country-wide factors identified included concern over lack of proper policy and regulation in Bangladesh.
The framework will be of value to the government, banks and MTOs in accelerating the development of m-banking in Bangladesh. The research recommends that, in order to support rural SMEs, government intervention in m-banking projects and policy and regulations development is needed. This research is expected to support national policies, such as the Millennium Development Goal 2015 and the National IT Policy of Bangladesh. Furthermore, it has implications for other developing countries in improving their banking provision to SMEs and realizing their own development goals through mobile technologies.

