Open Government Data Assessment Model: An indicator development in Thailand

Chatipot Srimuang*, Nagul Cooharojananone**, Uthai Tanlamai*, Achara Chandrachai**

* Technopreneurship and Innovation Management Program, Graduate School, Chulalongkorn University, Thailand
** Department of Mathematics and Computer Science, Faculty of Science, Chulalongkorn University, Thailand

Abstract—Social networking is rapidly growing so much so that it has become a driving force for governments to access data which allows citizens without any restrictions over the World’s social media. In 2015, the Thai government released a three year Digital Government Development Plan. This plan is a performance guideline of the e-government and for the open government data of the country. Several countries have conducted research on the Open Government Data Assessment but their research does not suit the context of Thailand. Therefore, the purpose of the present review and research presentation is to assess and evaluate the degree of development of the Open Government Data components that exist in the country. The methodology used in the evaluation and validation of this research consist of interviewing officials of top government management agencies responsible for e-government and the Digital Government Development Plan in Thailand. This research identified nine key components: Policies and Plans, Laws and regulations, Organization, Enterprise architecture, Capabilities enhancement, Open government principles, Technology infrastructure, Innovation and participation of citizens. Detailed components of each topic and subtopic are provided below.

Keyword—Open Government Data, Evaluate Open Government Data, Open Data Assessment, Open Data Benchmarking, Open Data

S. Chatipot
Nakhon Si Thammarat, April 28, 1984
Bachelor’s degree: Electrical Engineer, King Mongkut’s University of Technology North Bangkok, Bangkok, Thailand 2008
Master’s degree: Financial Mathematics, Brunel University, London, UK 2012
He finished Military Service Training of Territorial Defence Course,
Current job: Business Continuity Management Manager, Krungthai-AXA Life Insurance PLC.
Previous: Senior Risk Analyst, electronic Government agency (public organiZation)
Current research interests: E-government, Open government, Open Data

Mr. Srimuang is now PhD candidate in Technopreneurship and Innovation Management Program, Graduate School, Chulalongkorn University, Thailand

C. Nagul
Bachelor Degree in Computer Science Mahidol University International College, Bangkok (Second Class Honours) 1996
Master Degree in Information and Communication Engineering University of Tokyo, Japan
Doctoral Degree in Information and Communication Engineering University of Tokyo, Japan
He is now current work at Associate Professor, Department of Mathematics and Computer Science, Chulalongkorn University
Previous: Assistant Professor, Department of Mathematics and Computer Science, Chulalongkorn University

Associate Prof. Cooharojananone has now research Interest: Digital Video and Image Processing, Gesture Detection in Video Surveillance, Video Surveillance Summarization, Medical and Biological Image Processing, User Interface and Usability in Computer and Website, User Interface and Usability in Transportation, Human Behavior in Computer, e-Government
Web page: http://pioneer.netserv.chula.ac.th/~cnagul/index.html

Publication:
- Pataraporn Promkumtan, Nagul Cooharojananone, Rajalida Lipikorn, Laddawan Vajragupta and Bundit Chaopathomkul, "Hybrid framework for 3D colon model reconstruction from computed tomographic colonography", Maejo International Journal of Science and Technology, pp. 64-81, Vol 9(01), 2015 (ISSN 1905-7873) (IF = 0.329).


T. Uthai,
Bachelor Degree: Graduate Diploma Auditing, Chulalongkorn University
Master of Science Business administration, University of Illinois, USA
Doctor of Philosophy Business administration, University of Illinois, USA.

She is now Professor at Department of Accountancy, Chulalongkorn Business School, Chulalongkorn University, Thailand

Prof. Tanlamai has now research Interest: Business Visualization, Risk management, e-Government

Publication:
- Learning Outcome from the Use of computer assisted Learning on Consolidated Financial Statement. BEC Journal of naresuan University Vol 10 2015

C. Achara
Ph.D. (Quantitative Business Analysis) Arizona State University

She is now Professor at Department of Commerce, Chulalongkorn Business School, Chulalongkorn University, Thailand

Prof. Chandrachai has now research Interest:

Publication:
- A multi-facet approach using conceptualization, application, and usability measurement to developing financial learning system for hospital, 2016 IEEE/ACIS 15th International Conference on Computer and Information Science (ICIS), pp 1-5
- Indicators of knowledge management capability for KM effectiveness, Emerald Group Publishing Limited 2010, Vol 40, pp 183-203
- Evaluation model for research and development commercialization capability, Production & Manufacturing Research 2014 Vol 2, pp 586-602

Web page: https://scholar.google.co.th/citations?user=YSWOjWIAAAAJ&hl=en&csstart=0&pagesize=20