

CURRICULUM VITAE (CV)

1. PERSONAL DATA

Name : Chew XinYing

Nationality : Malaysian

Current Position : Senior Lecturer in Universiti Sains Malaysia (USM), School of Computer Sciences

Qualifications : Ph.D., USM (Universiti Sains Malaysia)
BIT. (Hons.) UKM (Universiti Kebangsaan Malaysia)

Field of specialization : Statistical Process Control (SPC) / Quality Control / Industrial Computing / Advance Analytics

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2. ACHIEVEMENTS

Achievements/Awards / Recognitions :

2017
Dell EMC Award, Data Science Associate (EMCDSA)
Certified Data Modeller, Processworks Group

2016
Certified Scrum Master, Scrum Alliance

2014
SAS Award (Completion for SAS Training – Introduction to ANOVA, Regression and Logistic Regression), SAS Institute Sdn. Bhd. (Malaysia)

2012-2013
“Hadiah Buku Universiti UKM” Award, UKM

2010-2013
4 Times Dean’s Award Faculty Information Science and Technology (FTSM), UKM

2013
Top 10 Award for Final Year Project (Thesis), FTSM, UKM

2012
Outstanding Student Awards, KDO College, UKM

3. RESEARCH PUBLICATIONS:

INTERNATIONAL REFEREED JOURNALS

1. **Chew, X. Y.**, Khoo, M. B. C., Teh, S. Y. & Castagliola, P. (2015). The variable sampling interval run sum X-bar control chart. *Computer & Industrial Engineering*, 90, 25-38.
2. Michael Khoo, B. C., Teh, S. Y., **Chew, X. Y.** & Teoh, W. L. (2015). Standard deviation of the run length (SDRL) and average run length (ARL) performances of EWMA and synthetic charts. *International Journal of Engineering and Technology*, 7(6), 513-516.
3. **Chew, X. Y.**, Khoo, M. B. C., Teh, S. Y. & Lee, M. H. (2016). The run sum Hotelling's Chi-squared control chart with variable sampling intervals. *Quality and Reliability Engineering International* 32(7), 2573-2590.

PROCEEDINGS

1. Michael Khoo, B. C., Teh, S. Y., **Chew, X. Y.** & Teoh, W. L. (2014). *Standard deviation of the run length (SDRL) and average run length (ARL) performances of EWMA and synthetic charts*. The proceedings of the 2014 International Conference on Industrial and Production Engineering, Kuala Lumpur, Malaysia, 285-288.

UNPUBLISHED THESES / DISSERTATION

- Ph.D. : Proposed Univariate Run Sum X-bar and Multivariate Run Sum Hotelling's Chi-squared Control Charts with Variable Sampling Intervals, USM, 2016.
- BIT. : Development of School Management System: "Sistem Pengurusan Kakitangan Akademik Sekolah (SPKAS)" and Case Study (Statistical Analysis) of User's Satisfaction on SPKAS using SPSS, UKM, 2013.

4. MEMBERSHIPS:

1. Scrum Alliance Community
2. Data Science Associate (EMCDSA)

5. COMMUNITY ENGAGEMENT:

1. Intel Involved Malaysia
 - Project Leader for "Eden HSC Penang Visit" Project
 - Team Member for "IT Kids @ Work" Project
2. World Vision Malaysia Child Sponsorship Program