

# Curriculum Vitae

## Ts. Dr. Sufri Muhammad

### Who Am I?

An academician from Universiti Putra Malaysia (UPM). Interest in the field of Software Engineering, Software Architecture and Pervasive Computing.

Experienced Software Engineer with a demonstrated history of working in Multinational Software Industries for 7 years and Education Governance sector.

In my view, teaching is a process of learning from my students, colleagues, associates, and communities. This is a lifelong process where we learn new ideas, new strategies and gain new philosophies.

*"You can either leave something FOR people or you can leave something IN people."*

### Research Interest

Context-Aware, Semantic-Based Approach, Service-Oriented Architecture (SOA), Service Engineering, Pervasive Computing

### Academic Qualification

- PhD in Software Engineering, Universiti Putra Malaysia, 2020
- Master in Computer Science (Software Engineering), Universiti Putra Malaysia, 2016
- Bac. in Computer Science (Software Engineering), Universiti Putra Malaysia, 2014

### Website

<http://sufry.com/>

### Professional Committees

- IEEE International Society (Member: 98689754)
- myHCI-UX-KL ACM SIGCHI Chapter (Member: 8790272)
- Malaysia Board of Technologists (MBOT) (Member: PT21030131): Professional Technologist
- Persatuan Pegawai Akademik UPM (PPAUPM)

### Teaching Subjects

#### PostGraduate

- SSE5101 3(3+0) 2022/2023 – 1: Programming and Computer-Based Problem Solving
- SSE5303 3(3+0) 2021/2022 – 2: Software Modeling

#### UnderGraduate

- SSE3307 3(3+0) 2022/2023 – 1: User Interface User Experience
- SSE3307 3(3+0) 2021/2022 – 2: User Interface User Experience
- SSE3150 3(2+1) 2021/2022 – 2: Web Application Development
- SSE3202 3(3+0) 2021/2022 – 2: Human Computer Interaction
- SSE3001 3(3+0) 2021/2022 – 1: Introduction to Software Engineering
- SSE3202 3(3+0) 2020/2021 – 2: Human Computer Interaction
- SSE3150 3(2+1) 2020/2021 – 2: Web Application Development
- SSE3202 3(3+0) 2020/2021 – 1: Human Computer Interaction
- BIBGE3233 3(3+0) 2020/2021 – 1: Formal Method

## Working Experiences

Jul 2020 - Present	<b>Senior Lecturer</b> Faculty of Computer Science and Information Technology, Universiti Putra Malaysia
Sept 2019 – Jun 2020	<b>Lecturer</b> New Era University College, Selangor
Feb 2016 – Feb 2018	<b>Software Engineer cum Digital Marketing</b> Superchampz Sdn. Bhd., Kuala Lumpur
Oct 2014 – Dec 2015	<b>Web Developer</b> Ministry of Education Malaysia, Putrajaya
Jun 2013 – Sept 2014	<b>Mobile Application Developer</b> Hatching Technology Sdn. Bhd., Selangor

## Attended Conferences and Workshops (last 3 years)

### Conferences:

1. Applied Informatics International Conference (AiIC2022), Malaysia
2. 7th International Visual Informatics Conference 2021 (Presenter)
3. International Conference on Interdisciplinary Computer Science and Engineering (ICICSE2021) (Editor Team and Article Reviewer)
4. Applied Informatics International Conference 2020 (AiIC2020), Malaysia (Reviewer, Chairman and Registration Team)
5. Applied Informatics International Conference 2019 (AiIC2019), Malaysia
6. International Conference On Interdisciplinary Computer Science And Engineering (ICICSE2018), Malaysia
7. International Conference on Information Technology and Multimedia (ICIMU 2018), Malaysia

### Workshops:

1. Embracing IoT with Blockchain Technology by Prof. s. Dr. Zuriati (18<sup>th</sup> Aug 2021)
2. Writing Method for Media Publication (17<sup>th</sup> Mac 2021)
3. When Art Meets Technology: Data Analytic for Personalised Learning (26<sup>th</sup> Feb 2021)
4. Wiley Online Library: Best Practices (4<sup>th</sup> Nov 2020)
5. European Research Day Malaysia 2020: Research Opportunity in Germany (21<sup>st</sup> Sept 2020)
6. Workshop on "Developing a Winning Teaching e-Portfolio for Academics" by Prof. Dr. Sidek Hj. Ab Aziz (14th Sept 2020)
7. Workshop on "Design Thinking" by Mr. Zukernain Wook (I-Excell Consulting) (3rd Sept 2020)
8. Webinar "Augmented Reality, Virtual Reality & Artificial Intelligent: Why Is It Important to Protect New Innovations?" oleh Prof. Dr. Rahmita Wirza O.K Rahmat (25th August 2020)
9. Workshp on "Writing and Publishing in High Impact Journals" by Dr Tan Soon Guan (11th August 2020)
10. Clinic on ICRIS Siri 1/2020 Community engagement (9th July 2020)
11. Workshop on "Postgraduate Supervision" by Prof. Dato' Dr. Mohd Ali Hassan (8th July 2020)
12. Workshop on "Teaching Using Pear Deck" by Assoc. Prof. Dr. Che Azurahanim Che Abdullah (8th July 2020)

## Research and Publication (last 3 years)

### Research Project:

1. Principal Investigator - Semantic-Based with Machine Learning Support in Dynamic Service Adaptation Framework for Context-Aware Mobile Cloud Learning, GP-IPM - Geran Putra Inisiatif Putra Muda, RM20,000, 2022 – 2024.
2. Development Of Diabetes Mobile Application To Improve Patient's Knowledge, Compliance And Control: An Interventional Study Among Uncontrolled Type 2 Diabetes Mellitus, FF-2020-088 (UKM), Mohd Rohaizat Hassan, Khaironi Yatim Bin Sharif, **Sufri Muhammad**, Mohd Hafeez Bin Osmo, Johny Anak Kelak (Oct 2020)

**Intellectual Property:****Copyright:**

1. Mudahnya BM (A Personalised Mobile Cloud Learning Application), Software, LY2022W04198 2022.

**Publication:**

Publication	Quantity
Book	0
Chapter in Book	1
ISI indexed Journal	2
Scopus indexed Journal	6
Proceeding	2

**Selected Publication (last 3 years):****ISI Indexed Journal**

1. **Muhammad, S.**, Admodisastro, N., Osman, H., & Ali, N. M. (2022). Semantic-Based Dynamic Service Adaptation in Context-Aware Mobile Cloud Learning, *Cybernetics And Information Technologies*, Volume 22, No 3, Bulgarian Academy of Sciences, eISSN: 1314-4081. <https://doi.org/10.2478/cait-2022-0030>
2. **Muhammad, S.**, Admodisastro, N., Osman, H., & Ali, N. M. (2017). A Review of Dynamic Adaptation in Context Aware System Using Semantic-Based Approach, *Journal of Fundamental and Applied Sciences* ISSN: 1112-9867, Special Issue, 1288–1301.

**Scopus Indexed Journal**

1. M.R Hassan, M.N Jamhari, F Hayati, N Ahmad, M.A.I.A Zamzuri, A.M Nawati, K.Y Sharif, **Muhammad, S.**, Shahrul Bariyah Ahmad, Norhizan Ismail, Syed Sharizman Syed Abdul Rahim, Mohammad Saffree Jeffree (2021). Determinants of glycaemic control among type 2 diabetes mellitus patients in Northern State of Kedah, Malaysia: a cross-sectional analysis of 5 years national diabetes registry 2014-2018, *Pan African Medical Journal*, ISSN: 19378688, <https://doi.org/10.11604/pamj.2021.39.206.30410>
2. **Muhammad, S.**, Admodisastro, N., Osman, H., & Ali, N. M. (2021). The Correctness of Service in Runtime Adaptation for Context-Aware Mobile Cloud Learning, *Turkish Journal of Computer and Mathematics Education*, e-ISSN 1309-4653, <https://doi.org/10.17762/turcomat.v12i3.1173>
3. **Muhammad, S.**, Admodisastro, N., Osman, H., & Ali, N. M. (2019). The Dynamic Service Adaptation Framework for Context Aware Mobile Cloud Learning Using Semantic-Based Approach, *International Journal of Engineering and Advanced Technology (IJEAT)* ISSN: 2249 – 8958, Volume-9, Issue-1, <https://doi.org/10.35940/ijeat.A2652.109119>
4. **Muhammad, S.**, Admodisastro, N., Osman, H., & Ali, N. M. (2018). Dynamic Service Adaptation Framework for Context Aware Mobile Cloud Learning Using Semantic-Based Approach, *International Journal of Engineering & Technology*, Vol 7, No. 4.31, 182-190.
5. Nor, R. N. H, Muhammad, A., **Muhammad, S.** (2018) Measuring instrument constructs for knowledge management system governance using Rasch measurement model. *Advanced Science Letters*, Volume 24 (2). pp. 1235-1239. ISSN 1936-6612; ESSN: 1936-7317, <https://doi.org/10.1166/asl.2018.10723>

**Scopus Indexed Proceeding**

1. **Muhammad, S.**, Admodisastro, N., Osman, H., & Ali, N. M. (2021). Mudahnya BM: A Context-Aware Mobile Cloud Learning Application Using Semantic-Based Approach, *IVIC2021, Lecture Notes in Computer Science (LNCS)*, Springer, [https://doi.org/10.1007/978-3-030-90235-3\\_20](https://doi.org/10.1007/978-3-030-90235-3_20)

## Chapter in Book

1. Noris, N, **Muhammad, S.**, Hizmawati, M., Azrul, H.J, & Rusli, A. (2021). Chapter “Mereka bentuk Antaramuka (Interface) Sistem bagi Keperluan Orang Kelainan Upaya Penglihatan Bersama Malaysian Association for the Blind” oleh Kumpulan Pelajar Kursus SSE3202 Interaksi Manusia-Komputer”, Inovasi Pengajaran dan Pembelajaran, SULAM di UPM, e-ISBN 978-967-19652-3-8, pp. 162-173, CADe UPM

## Consultations

- Guest Speaker and trainer for Digitalization in Agriculture (Sept 2022)
- Business Analyst for Malaysia Urban Observatory (MUO) system. Collaboration with PLANMalaysia and MAP2U (June 2021)
- Guest Speaker for HASHTECH Online Workshop UPM Bintulu: Website Creation, (June 2021)
- Guest Speaker for Virtual Program FKEKK FEST 2021 UTeM Melaka: Digital Portfolio Workshop, (May 2021)
- Guest Speaker for Beginner Level Google-Based Study Aid Webinar (Jan 2021)
- Expert Review and Judges for Engineering, Science & Technology Exhibition 2020 (ESTE'20), MAHSA University, Bandar Saujana Putra, Selangor (Jan 2020)
- Motivator to SPM candidates at SMK Desa Cempaka, Nilai, Negeri Sembilan, (Feb 2020)

## Other Information

### Supervision:

Program	Status	Chairman	Committee
PhD	Graduated	0	0
	Current	0	2
Masters (With theses)	Graduated	0	0
	Current	0	0
Masters (Coursework)	Graduated	2	0
	Current	1	0

### Award:

Medal	Gold	Silver	Bronze
UPM: PRPI (2016):	0	1	0
International Putra InnoCreative Poster Competition 2020: PicTL2020	1	0	0
International University Carnival On E-Learning 2022 28 - 30 June 2022	0	1	0

## Referee

Assoc. Prof. Dr Norhayati Mohd. Ali Head of the Department Software Engineering and Information System, Faculty of Computer Science and Information Technology, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor, Malaysia +603-97691764 <a href="mailto:hayati@upm.edu.my">hayati@upm.edu.my</a>	Assoc. Prof. Ts. Dr. Novia Admodisastro Associate Professor Software Engineering and Information System, Faculty of Computer Science and Information Technology, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor, Malaysia +603-97691755 <a href="mailto:novia@upm.edu.my">novia@upm.edu.my</a>
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