

SK INNOVATION SDN BHD

CURRICULUM VITAE

PERSONAL DETAIL

Name : Mohd Syakir bin Fathillah

Telephone Number (HP) : 013-3370775

E-mail : syakirfathillah92@gmail.com

Position : Chief Technology Officer (CTO)

Area of Expertise : Computer and Communication Engineering, Bio-Medical
Signal Processing, Embedded System, Internet of Thing(IoT)

PROFESSIONAL SUMMARY

Provide executive leadership as head of global automation engineer. Responsible for all aspects of strategic automation planning, implementation, and support worldwide as an integral component of business plan. Responsible for overall technology vision, budgeting, product development design and support of all technologies. Grow the company through the use of technological resources.

EDUCATION BACKGROUND

Level	Institute	Year
M.Sc in Electrical & Electronic Engineering	Universiti Kebangsaan Malaysia	2015-2018
B.Eng. (Hons) in Communication & Computer	Universiti Kebangsaan Malaysia	2011-2015
Martriculation	Kolej Matrikulasi Selangor	2010-2011

RESEARCH ETHIC

1. Feature Extraction of Seizure from EEG Signal for Epilepsy Detection and Monitoring
Purpose
Reference: UKM PPI/111/8/JEP-2016-226

LIST OF PUBLICATIONS

Journal

	Title	Publisher	Year	Status
1	Computerized Recognition of Epileptic Discharge (CREED) algorithm and its clinical application.	Clinical Neurophysiology	2018	Published
2	Time-Frequency Analysis In Ictal And Interictal Seizure Epilepsypatients Using Electroencephalogram	Journal of Theoretical and Applied Information Technology	2018	Published
3	Multiresolution Analysis on Nonlinear Complexity Measurement of EEG signal for Epileptic Discharge Monitoring	Malaysian Journal Of Fundamental And Applied Sciences	2018	Published

Abstract and proceeding Paper

	Title	Conference Name	Venue	Date
1	Interictal Epileptic Discharge EEG Detection Based on Wavelet and Multiresolution Analysis	IEEE International Conference on System Engineering and Technology	Shah Alam, Malaysia	2-3 Oktober 2017
2	Complexity Analysis on EEG Signal via Lempel Ziv and Approximate Entropy: Effect of Multiresolution Analysis	International Medical Device and Technology Conference (iMEDiTEC)	Univesiti Teknologi Malaysia	6-7 September 2017
3	Automated Epileptic Discharge Detection for EEG	MyNeuro 2017	Hotel Istana, Kuala Lumpur	11-13 Ogos 2017
4	A Study on EEG Signals During Eye-closed and Eye-Open using Discrete Wavelet Transform	IEEE-EMBS Conference on Biomedical Engineering and Science (IECBES)	Pullman Bangsar	5-8 Disember 2016
5	Wireless Monitoring of Body Vital Signal	The First Telemedicine Conference	Swan Convention Centre, Sunway Medical Centre	4-6 Ogos 2015

AWARD RECEIVED

	Award's Name	Year
1	International Federation of Clinical Neurophysiology (IFCN) Fellowship Award for Internatinal Congress of Neurophysiology (ICCN 2018) Washington	2018

MEMBERSHIP IN PROFESIONAL AGENCY/ORGANIZATION

	Membership	Year
1	Member of Institution of Engineers Malaysia (IEM)	2015- Present

LIST OF TRAININGS

No.	Title	Organizer	Date	Position	Venue
1	Artificial Intelligence Application	COGNITICS	23 – 25 July 2018	Participant	Malaysian Communications and Multimedia Commission (MCMC)
2	Level 1 TRIZ practitioner	The Malaysia TRIZ Innovation Association	18 March 2018	Participant	Faculty of Engineering & Built Environment, UKM
3	Exploring ABCs of Raspberry PI 3 with Python Programming Workshop	Program Pemeriksaan Kompetensi Akademik SISWA (PKAS)	18 – 25 January 2018	Participant	Faculty of Engineering & Built Environment, UKM
4	Internet of Things: An Arduino Essential Experiental Exploration Workshop [Introduction to Arduino, Arduino Programming, Arduino Shield: WIFI]	Program Pemeriksaan Kompetensi Akademik SISWA (PKAS)	6 & 7 November 2017	Trainer & Facilitator	Faculty of Engineering & Built Environment, UKM
6	Internet of Things: Semester Break Attachement program (IoT-SBAP) [Sensor Interface Workshop]	Program Pemeriksaan Kompetensi	27 July 2017	Participant	Faculty of Engineering & Built Environment, UKM

		Akademik SISWA (PKAS)			
7	Pelancaran Sekolah@UKM & Program Jom Membaca 2017	UCTC UKM	12 & 13 May 2017	Facilitator	Bagan Datuk Perak
8	Bengkel Launchon Innovation in Classroom: Physics	Program Pemeriksaan Kompetensi Akademik SISWA (PKAS)	13 April 2017	Facilitator	Main Meeting Room, Fakulti Kejuruteraan & Alam Bina, UKM
9	Internet of Things: Embedded System Design and Development with Mobile App Workshop (IOT-STEMA) [Microcontroller Design and MATLAB for Sensor Control Workshop]	Program Pemeriksaan Kompetensi Akademik SISWA (PKAS)	19-24 January 2017	Facilitator	Faculty of Engineering & Built Environment, UKM
10	Bengkel Rekabentuk Fabrikasi OCB dan Penghasilan Prototaip (BRFP3) Siri 1	Program Pemeriksaan Kompetensi Akademik SISWA (PKAS)	24 October 2016	Facilitator	Microcomputer Lab, Faculty of Engineering & Built Environment, UKM
11	Eksplorasi Elektrik & Elektronik 2017	Fakulti Kejuruteraan & Alam Bina	24 & 25 May 2017	Secretariat	Faculty of Engineering & Built Environment, UKM
12	Internet of Things: An Arduino Advanced Experiential Exploration Workshop	Program Pemeriksaan Kompetensi Akademik SISWA (PKAS)	4 & 5 November 2017	Participant	Faculty of Engineering & Built Environment, UKM
13	Internet of Things: Embedded System Design and Development with Mobile App Workshop (IOT-STEMA) [Mobile Application Workshop]	Program Pemeriksaan Kompetensi Akademik SISWA (PKAS))	8-10 February 2017	Participant	Faculty of Engineering & Built Environment, UKM
14	Interdisciplinary vs Multidisciplinary: A Qualitative Approach & Implementation Workshop (IMQAI)	Program Pemeriksaan Kompetensi Akademik SISWA (PKAS)	12 & 13 October 2016	Participant	Main Meeting Room, Faculty of Engineering & Built Environment, UKM

15	Bio-signal & Medical Image Research Methodology Workshop	Program Pemeriksaan Kompetensi Akademik SISWA (PKAS)	21 & 22 September 2016	Participant	Multimedia Lab Faculty of Engineering & Built Environment, UKM
16	Bengkel Statistik – Analisa Data Sains (SADS) Siri 3	Program Pemeriksaan Kompetensi Akademik SISWA (PKAS)	20 & 21 Jun 2016	Participant	Multimedia Lab, Faculty of Engineering & Built Environment, UKM
17	Bengkel Statistik – Analisa Data Sains (SADS) Siri 2	Program Pemeriksaan Kompetensi Akademik SISWA (PKAS)	1 & 2 Jun 2016	Participant	Multimedia Lab, Faculty of Engineering & Built Environment, UKM
18	Data Processing & Management Workshop Series 1	Program Pemeriksaan Kompetensi Akademik SISWA (PKAS)	17 & 18 May 2016	Participant	Faculty of Engineering & Built Environment, UKM
19	Bengkel Statistik – Analisa Data Sains (SADS) Siri 1	Program Pemeriksaan Kompetensi Akademik SISWA (PKAS)	26 & 27 April 2016	Participant	Multimedia Lab, Faculty of Engineering & Built Environment, UKM
20	HCNA-HNTD (Huawei Certified Network Associate- Huawei Network Technology and Device)	Huawei	29 July 2015	Participant	Faculty of Engineering & Built Environment, UKM
21	Xilinx's IC Design	Xilinx	29 June - 10 Julai 2015	Participant	Faculty of Engineering & Built Environment, UKM