

CURRICULUM VITAE



Ir. Ts. Dr. SYED NORAZIZUL BIN SYED NASIR

Competent Electrical Engineer 275kV (Certify by Energy Commission)
Professional Engineer with Practicing Certificate (Certify by Board Engineer Malaysia)
ASEAN Chartered Professional Engineer (Certify by Board Engineer Malaysia)
Professional Technologist (Certify by Malaysia Board of Technologist)
Doctor of Philosophy in Electrical Engineering (Universiti Teknologi Malaysia)

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CAREER OBJECTIVE

Seeking a career in engineering project and education field whereby there are ample opportunities for me to become a distinguished engineer and lecturer, specializing in electrical engineering that focuses on electrical power system.

PERSONAL PARTICULARS

MYKAD: 850619-10-5967

Date of Birth: 19th Jun 1985

Marital Status: Married

Sex: Male

Current Location: Johor Bahru

Nationality: Malaysian

Race: Malay

Religion: Islam

PERSONAL TRAITS

1. Honest, hardworking, reliable, discipline and good attitude around others.
2. Willing to learn and able to work under stress.
3. Excellent in innovation, creativity and team development skills.

ACADEMIC BACKGROUND

2015 – 2019	Phd in Engineering of Electrical Engineering (Power), University Technology Malaysia, Skudai
2012 – 2014	Master in Engineering of Electrical Engineering (Power), University Technology Malaysia, Skudai
2004 – 2008	B.Eng. (Hons.) of Electrical Engineering, University Technology Malaysia, Skudai

WORK EXPERIENCE

1. Electrical Engineer (Jun 2008 – Dec 2009)

Employer: Tenaga Nasional Berhad.,
Grid Maintenance (South),
Grid Division,

1.1 Substation Engineer (Jun 2008 – Dec 2009)

The core function as an Electrical Engineer (Substation) was to ensure high reliability, availability and security of the substation equipment operation and maintenance, from 132kV to 500kV in the National Grid System through effective management and coordination at all times. Substation equipment consists of Lightning Arrestor, CVT, CT, Isolator, Power Transformer, Reactor & Capbank. Summary of the job responsibility: -

- Responsible to ensure high reliability, availability and security of the substation primary equipment operation and maintenance, from 11kV to 500kV in the National Grid System through effective management and coordination at all times.
- Analyze Substation primary equipment performance and assessment based on the substation equipment database, report and test results, to meet customer's requirement on monthly basis.
- Responsible to ensure fast response time in restoring supply within the stipulated time in the event of emergency or breakdown and updating the information to the top management at all times.
- Responsible to ensure all the substation equipment and installations are in good, safe working condition and operation prior to commissioning at all times.
- Manage and develop manpower to improve the competency level, effectiveness and productivity of the staffs at all times.
- Plan, manage, control and optimize the usage of budget, spares and consumables items for effective implementation of operation and maintenance at all times
- Responsible to ensure the effectiveness of all quality and safety activities (ISO, SEMS, OSHAS, 5S, WIT) in the substation unit at all times.
- To ensure that all workplaces are managed in a safe and efficient manner by all staff in compliance of OSHE Legal and other requirement

1.2 Protection Engineer (Dec 2009 – August 2017)

The core function as an Electrical Engineer (Protection) was to ensure high reliability, availability and security of the secondary equipment operation and maintenance, from 132kV to 500kV in the National Grid System through effective management and coordination at all times. Secondary equipment consists of Current Differential Relay, Distance Relay and so on. Summary of the job responsibility: -

- Responsible to ensure high reliability, availability and security of the substation secondary equipment operation and maintenance, from 11kV to 500kV in the National Grid System through effective management and coordination at all times.

- Analyze secondary equipment performance and assessment based on the relays equipment database, report and test results.
- Responsible to ensure fast response time in restoring supply within the stipulated time in the event of emergency or breakdown and updating the information to the top management at all times.
- Responsible to ensure all the secondary equipment are in good, reliable condition and operation prior to commissioning at all times.
- Manage and develop manpower to improve the competency level, effectiveness and productivity of the staffs at all times.
- Plan, manage, control and optimize the usage of budget, spares and consumables items for effective implementation of operation and maintenance at all times
- Responsible to ensure the effectiveness of all quality and safety activities (ISO, SEMS, OSHAS, 5S, WIT) in the protection unit at all times.
- To ensure that all workplaces are managed in a safe and efficient manner by all staff in compliance of OSHE Legal and other requirement.
- Many experience in handling project start from procurement until project completion based on TNB Procurement Policy and FIDIC.

1.3 Engineer (Replacement & Refurbishment – Protection) (September 2017 – May 2019)

The core function as an Electrical Engineer (Replacement & Refurbishment – Protection) is to ensure high availability and reliability of grid system through effective maintenance, develop highly skilled workforce driven by latest innovation and technologies and Conduct maintenance with optimal costs, maximizing asset utilization and caring for sustainable environment. Summary of the job responsibility: -

- Plan, develop, oversee and ensure correct, efficient and safe project tasks from preliminary stage to handover stage.
- Ensure and dictate adequate site survey direction and implementation for quality POL and Handover Site Documents preparation
- Dictate, manage and assess progress of KOM, progress meeting, product acceptance stage & drawing approvals, project plan, FAT, and SAT to ensure continuous improvement
- Dictate, manage, oversee and safeguard the execution of site implementation plan & specification compliance as per tender document. Inclusive meetings with various parties (OPU, Contractors, TNBD, TNBG, ICT) to ensure efficient and timely coordination.
- Dictate compilation & analyzing of defects or problems during and after site implementation to ensure quality deliverables and handover end-product.
- Oversee and ensure correct, efficient and safe project tasks from preliminary stage to handover stage.
- Ensure and dictate adequate site survey direction and implementation for quality POL and Handover Site Documents preparation
- Assess progress of KOM, progress meeting, product acceptance stage & drawing approvals, project plan, FAT, and SAT to ensure continuous improvement.
- Oversee and safeguard the execution of site implementation plan & specification compliance as per tender document. Inclusive meetings with various parties (OPU, Contractors, TNBD, TNBG, ICT) to ensure efficient and timely coordination.

- Dictate compilation & analysing of defects or problems during and after site implementation to ensure quality deliverables and handover end-product.
- Verify all works that require outsourcing and play an active role during negotiation for Outsourcing works.
- Coordinate, execute, manage and ensure of effective CECOMS system implementation.
- Execute, monitor and ensure Protection Automation Unit's competency upgrading.
- Review unit's financial expenditure/annual budget to ensure timely completion of all budgeted activities.
- Ensure Compliance to TNB / Regulatory Requirements. Occupational Safety, Health & Environment (OSHE)

1.4 Senior Lecturer (UTM) (May 2019 – Present)

Responsible for carrying out teaching and research duties. Involved in the administration of degree and postgraduate courses as well as responsible for organizing lectures and supervising seminars and tutorials.

- Involved in the research and designing of new courses and materials.
- Assessing students course work and material.
- Involved in the set-up of exams and the marking of results.
- Responsible for the departmental administrative tasks.
- Providing mentoring, advice and support to students on a personal level.
- Implementing University research projects and involved in its publication.
- Actively leading class discussions and encouraging debate.

1.5 Director Sustainable & Innovation Engineering Sdn Bhd (Nov 2020 – Present)

Become the shareholder for Sustainable & Innovation Engineering Sdn Bhd. Sustainable & Innovation Engineering Sdn Bhd incorporated in 2020 is a spin-off company of UTM. Our essence competencies are in Power System study, Solar PV design and IoT evolution. Our professional organisation offer design, installation, inspection and investigation services of electrical power systems. Plus to implement research and development services to the needed industry on enhancing current and novel technology in line with Industrial Revolution 4.0. Next, provide relevant technical training associated with our expertise to any organisation and community.

The company aim to provide engineering services related to power system study, renewable energy system, lightning protection system and IoT technology. Our company also have valid ETAP software license to perform various power system analysis. Below are the related services that are offered: -

- Power System Study (Load Flow Analysis)
- Protection relay coordination
- Solar PV design (OGPV & GCPV)
- Lightning Protection system design
- Electrical Competent Engineer visiting up to 275kV
- Electrical system design

VISITING ENGINEER EXPERIENCE

1. Visiting Engineer

Visiting Engineer for 132kV system at Port Tanjung Pelepas Sdn Bhd

Visiting Engineer for 132kV system at Universiti Teknologi Malaysia

Visiting Engineer for 22kV system at Mewaholeo Sdn Bhd

Visiting Engineer for 33kV system at Universiti Tun Hussein Onn Malaysia

PAST PROJECT INVOLVE

No	Project
1	PROTECTION RELAY REPLACEMENT (SUPPLY, ERECT & COMMISSIONING) OF SELECTED 500KV, 275KV & 132KV BAY FOR ASSET MAINTENANCE DEPARTMENT, TRANSMISSION DIVISION (PHASE 1A) FOR MAINHEAD B: JOH-1 JOHOR BAHRU, KL, N. SEMBILAN AND PAHANG.
2	SUPPLY, ERECT AND COMMISSIONING OF SELECTED 275kV & 132kV BAYS FOR ASSET MAINTENANCE DEPARTMENT, TRANSMISSION DIVISION (PHASE 2) MAINHEAD D- PROTECTION RELAY REPLACEMENT (MELAKA, JOHOR I-JB, JOHOR II-KLUANG)
3	REPLACEMENT OF SUBSTATION CONTROL SYSTEM FOR ASSET MAINTENANCE DEPARTMENT, TRANSMISSION DIVISION, TNB MAINHEAD C – PMU BUKIT BATU
4	REPLACEMENT OF SUBSTATION CONTROL SYSTEM FOR ASSET MAINTENANCE DEPARTMENT, TRANSMISSION DIVISION, TNB MAINHEAD D – PMU TAMAN UNIVERSITI
5	PERFORM TRANSFORMER OIL FILTRATION AT PASAK SUBSTATION FOR FEEDER TRANSFORMER NO.4
6	CHANGE AUTORECLOSE RELAY THAT FOUND FAULTY AT PENAWAR SUBSTATION FOR FEEDER PASAK.
7	REPLACEMENT K-SERIES (ALSTOM BRAND) RELAY AT PASIR GUDANG INDUSTRIAL ESTATE FOR TRANSFORMER NO. 1
8	TESTING ON NEW LV INCOMER AT TAMAN UNIVERSITI SUBSTATION FOR TRANSFORMER NO.2
9	WITNESS TESTING & COMMISIONING FOR R&R REPLACEMENT CIRCUIT BREAKER 132KV AT PENAWAR SUBSTATION
10	WITNESS TESTING & COMMISIONING FOR R&R REPLACEMENT CIRCUIT BREAKER 275KV & CURRENT TRANSFORMER 132KV AT PASIR GUDANG POWER STATION SUBSTATION
11	WITNESS TESTING & COMMISIONING NEW SUPER GRID TRANSFORMER NO.1 AT CAHAYA BARU SUBSTATION
12	WITNESS TESTING & COMMISIONING TRANSFORMER NO.3 AT PASIR GUDANG DARAT SUBSTATION
13	WITNESS TESTING & COMMISIONING NEW CAPBANK AT PERMAS JAYA 132KV SUBSTATION
14	WITNESS TESTING & COMMISIONING NEW CAPBANK AT SKUDAI SUBSTATION
15	WITNESS TESTING & COMMISIONING NEW CAPBANK AT TEBRAU SUBSTATION
16	REPLACEMENT FAULTY LVREF RELAY FOR TRANSFORMER NO.4 AT KOTA TINGGI SUBSTATION
17	WITNESS TESTING & COMMISIONING NEW CAPBANK AT STULANG SUBSTATION
18	INSTALLATION, TESTING & COMMISIONING CURRENT TRANSFORMER FOR BUS COUPLER FEEDER AT KOTA PUTERI SUBSTATION
19	RESPONSIBLE TO DO POINT OF WAVE TESTING ON 11 CAPBANK AT JOHOR BAHRU SUBSTATION
20	WITNESS FAT TEST FOR LOW IMPEDENCE BUSBAR PROTECTION RELAY RCD 915 AT IN CONTROL TECH FACTORY
21	TESTING 15 NOS NEW BUSBAR/LINE ISOLATOR AT SKUDAI 132KV SUBSTATION
22	WITNESS TESTING & COMMISIONING 2 NOS PASIR GUDANG TOWN CENTRE CABLE FEEDER AT PASIR GUDANG DARAT SUBSTATION
23	WITNESS INSTALLATION & TESTING LOW IMPEDENCE BUSBAR PROTECTION 275KV AT PASIR GUDANG POWER STATION SUBSTATION
24	WITNESS TESTING & COMMISIONING NEW PASIR GUDANG TOWN CENTRE SUBSTATION (2 NOS TRANSFORMER FEEDER & 2 NOS CABLE FEEDER)
25	UPGRADE DEFECTIVE RELAY SPAJ140C TO MORE RELIABLE RELAY (MiCOM P123) AT PUSAT BANDAR JOHOR BAHRU SUBSTATION
26	WITNESS INSTALLATION & TESTING LOW IMPEDENCE BUSBAR PROTECTION AT 132KV SYSTEM
27	BUSBAR PROTECTION NEGATIVE CHECK MODIFICATION FOR KOTA PUTERI 132/22KV SUBSTATION
28	WITNESS TESTING & COMMISIONING 2 NOS TRANSFORMER FEEDER AND 1 NOS LINE FOR 132KV SYSTEM
29	BUSBAR PROTECTION NEGATIVE CHECK MODIFICATION FOR PASIR GUDANG DARAT 132/22KV SUBSTATION
30	RETROFITTING SYNC RELAY AT DESARU SUBSTATION FEEDER TELOK RAMUNIA (132kV)
31	RETROFITTING AUTORECLOSE RELAY AT BANDAR PENAWAR SUBSTATION FEEDER PSAK NO 1 (132kV)
32	RETROFITTING HIGH IMPEDENCE RELAY AT PASIR GUDANG GIS SUBSTATION (275kV)
33	RETROFITTING SYNC RELAY AT BANDAR PENAWAR SUBSTATION FEEDER DESARU (132kV)
34	BUSBAR PROTECTION NEGATIVE CHECK MODIFICATION FOR PERMAS JAYA 132/33/11KV SUBSTATION
35	RETROFITTING BUSBAR PROTECTION RELAY AT PASIR GUDANG INDUSTRIAL ESTATE (275kV)
36	RETROFITTING SYNC RELAY AT DESARU SUBSTATION FEEDER TELOK RAMUNIA (132kV)

37	BUSBAR PROTECTION NEGATIVE CHECK MODIFICATION FOR TELOK RAMUNIA 132/33/11KV SUBSTATION
38	RETROFFITING CURRENT DIFFERENTIAL & DISTANCE RELAY AT PERMAS JAYA SUBSTATION FEEDER KOTA PUTERI NO.2 (132kV) (BOTH END)
39	BREAKER FAIL PROTECTION INSTALLATION FOR TRANSFORMER NO.1 & NO.2 AT PONTIAN 132/11KV SUBSTATION
40	BREAKER FAIL PROTECTION STAGE 2 INTERFACING TO BUSBAR PROTECTION FOR PONTIAN 132/11KV SUBSTATION
41	BREAKER FAIL PROTECTION INSTALLATION FOR TRANSFORMERS AT KOTA TINGGI 132/11KV, MAJIDEE 132/22KV AND PERLING 132/11KV SUBSTATIONS
42	BREAKER FAIL PROTECTION INSTALLATION FOR TRANSFORMERS AT STULANG 132/22KV, PERLING 132/11KV AND PLENTONG 230KV SUBSTATIONS
43	BREAKER FAIL PROTECTION STAGE 2 INTERFACING TO BUSBAR PROTECTION FOR PERLING 132/11KV SUBSTATION
44	RETROFFITING CURRENT DIFFERENTIAL & AUTORECLOSE RELAY AT TANJUNG KUPANG SUBSTATION FEEDER GELANG PATAH NO.1 (132kV)
45	REPLACEMENT DIRECTIONAL OVERCURRENT RELAY TO DISTANCE RELAY AT MAJIDEE SUBSTATION FEEDER PERMAS JAYA NO.1 & NO.2 (132kV) (BOTH END)
46	RETROFFITING CURRENT DIFFERENTIAL & DISTANCE RELAY AT PERMAS JAYA SUBSTATION FEEDER KOTA PUTERI NO.1 (132kV) (BOTH END)
47	BREAKER FAIL PROTECTION INSTALLATION FOR TRANSFORMER NO.1 & NO.2 AT PEKAN NENAS 132/11KV SUBSTATION
48	BREAKER FAIL PROTECTION STAGE 2 INTERFACING TO BUSBAR PROTECTION FOR PEKAN NENAS 132/11KV SUBSTATION
49	WITNESS TESTING FOR FUTURE FEEDER (105 & 205) AT KULAI SUBSTATION
50	ROUTINE MAINTENANCE FOR PEKAN NENAS TRANSFORMER NO. 1 (132KV)
51	ROUTINE MAINTENANCE FOR STULANG TRANSFORMER NO. 1 (132KV)
52	ROUTINE MAINTENANCE FOR GELANG PATAH SGT2 (275KV)
53	ROUTINE MAINTENANCE FOR TANJUNG KUPANG FEEDER PELABUHAN TANJUNG PELEPAS NO. 1 (132KV)
54	ROUTINE MAINTENANCE FOR SALENG BUS COUPLER (132KV)
55	ROUTINE MAINTENANCE FOR SKUDAI TRANSFORMER NO. 8 (132KV)
56	WITNESS TESTING & COMMISSIONING FOR GELANG PATAH NEW FEEDER BUKIT BATU NO 1 & NO 2 (275KV)
57	WITNESS TESTING & COMMISSIONING FOR SALENG NEW TRANSFORMER NO 4 (132KV)
58	ROUTINE MAINTENANCE FOR PASIR GUDANG POWER STATION BUS COUPLER (132KV)
59	ROUTINE MAINTENANCE FOR PERMAS JAYA TRANSFORMER NO. 3 (132KV)
60	ROUTINE MAINTENANCE FOR GELANG PATAH SUBSTATION FEEDER BUKIT BATU NO. 1 (132KV)
61	ROUTINE MAINTENANCE FOR TANJUNG BIN SUBSTATION FEEDER BUKIT BATU NO. 1 (275KV)
62	ROUTINE MAINTENANCE FOR FEEDER KANGKAR TEBRAU NO. 1 AT TEBRAU SUBSTATION (132KV)
63	ROUTINE MAINTENANCE FOR SENAI BUS COUPLER (132KV)
64	ROUTINE MAINTENANCE FOR TRANSFORMER NO.1 & NO. 2 AT LARKIN SUBSTATION (132KV)
65	ROUTINE MAINTENANCE FOR TAMAN UNIVERSITI SUBSTATION FEEDER PEKAN NENAS NO.1 (132KV)
66	ROUTINE MAINTENANCE FOR KOTA PUTERI SUBSTATION FEEDER PERMAS JAYA NO.1 (132KV)
67	ROUTINE MAINTENANCE FOR TRANSFORMER NO.1 AT PEKAN NENAS SUBSTATION (132KV)
68	ROUTINE MAINTENANCE FOR PASIR GUDANG DARAT SUBSTATION FEEDER CAPBANK NO. 2 (132KV)
69	ROUTINE MAINTENANCE FOR PLENTONG SUBSTATION FEEDER UPPER JURONG (SINGAPORE) (275KV)
70	ROUTINE MAINTENANCE FOR TRANSFORMER NO.3 & NO. 4 AT TEBRAU SUBSTATION (132KV)
71	ROUTINE MAINTENANCE FOR PASIR GUDANG INDUSTRIAL ESTETE SUBSTATION FEEDER ANTARA STEEL NO.1 & NO. 2 (132KV)
72	ROUTINE MAINTENANCE FOR TRANSFORMER NO.3 AT PUSAT BANDAR JOHOR BAHRU SUBSTATION (132KV)
73	ROUTINE MAINTENANCE FOR PASIR GUDANG POWER STATION SUBSTATION FEEDER PERMAS JAYA NO.2 (275KV)
74	ROUTINE MAINTENANCE FOR PONTIAN SUBSTATION FEEDER RENGIT NO. 2 (132KV)
75	ROUTINE MAINTENANCE FOR TRANSFORMER NO.2 AT PUSAT BANDAR JOHOR BAHRU SUBSTATION (132KV)
76	ROUTINE MAINTENANCE FOR MAJIDEE SUBSTATION FEEDER TEBRAU NO.2 (132KV)
77	ROUTINE MAINTENANCE FOR TRANSFORMER NO.2 AT MAJIDEE SUBSTATION (132KV)
78	ROUTINE MAINTENANCE FOR GENERATOR TRANSFORMER GT3B AT PASIR GUDANG POWER STATION SUBSTATION (132KV)
79	ROUTINE MAINTENANCE FOR TEBRAU SUBSTATION FEEDER KANGKAR TEBRAU NO.2 (132KV)
80	ROUTINE MAINTENANCE FOR SKUDAI SUBSTATION FEEDER TAMAN UNIVERSITI (132KV)
81	ROUTINE MAINTENANCE FOR TANJONG LANGSAT SUBSTATION FEEDER BUS COUPLER (132KV)
82	ROUTINE MAINTENANCE FOR TRANSFORMER NO.5 AT TANJONG LANGSAT SUBSTATION (132KV)
83	ROUTINE MAINTENANCE FOR PASIR GUDANG DARAT SUBSTATION FEEDER BUS COUPLER (132KV)
84	ROUTINE MAINTENANCE FOR PLENTONG SUBSTATION FEEDER CAHAYA BARU NO.2 (275KV)
85	ROUTINE MAINTENANCE FOR PERMAS JAYA SUBSTATION FEEDER PLENTONG (275KV)
86	ROUTINE MAINTENANCE FOR BUSBAR LOW IMPEDANCE PROTECTION NR 915CD PASIR GUDANG POWER STATION SUBSTATION (132KV & 275KV)
87	ROUTINE MAINTENANCE FOR KOTA TINGGI SUBSTATION FEEDER PUB BULK (132KV)
88	ROUTINE MAINTENANCE FOR TRANSFORMER NO.1 AT PASIR GUDANG DARAT SUBSTATION (132KV)

89	ROUTINE MAINTENANCE FOR TRANSFORMER NO.1 AT SENAI SUBSTATION (132KV)
90	ROUTINE MAINTENANCE FOR SENAI BUS COUPLER & BUSBAR PROTECTION (132KV)
91	ROUTINE MAINTENANCE FOR SUPER GRID TRANSFORMER (SGT) NO.1 AT PERMAS JAYA SUBSTATION (275/132KV)
92	ROUTINE MAINTENANCE FOR KOTA PUTERI SUBSTATION FEEDER PERMAS JAYA (132KV)
93	ROUTINE MAINTENANCE FOR TRANSFORMER NO.2 AT CAHAYA BARU SUBSTATION (132KV)
94	ROUTINE MAINTENANCE FOR PENAWAR SUBSTATION FEEDER TELOK RAMUNIA (132KV)
95	ROUTINE MAINTENANCE FOR TRANSFORMER NO.1 AT TELOK RAMUNIA SUBSTATION (132KV)
96	ROUTINE MAINTENANCE FOR SKUDAI BUS COUPLER & BUSBAR PROTECTION (132KV)
97	ROUTINE MAINTENANCE FOR SUPER GRID TRANSFORMER (SGT) NO.1 AT PERLING SUBSTATION (275/132KV)
98	ROUTINE MAINTENANCE FOR PERLING SUBSTATION FEEDER GELANG PATAH NO 1 (132KV)
99	ROUTINE MAINTENANCE FOR PASAK BUS COUPLER & BUSBAR PROTECTION (132KV)
100	ROUTINE MAINTENANCE FOR TRANSFORMER NO.1 AT PUSAT BANDAR JOHOR BAHRU SUBSTATION (132KV)
101	ROUTINE MAINTENANCE FOR TRANSFORMER NO.2 AT PUSAT BANDAR JOHOR BAHRU SUBSTATION (132KV)
102	ROUTINE MAINTENANCE FOR KUKUP BUS COUPLER & BUSBAR PROTECTION (132KV)
103	ROUTINE MAINTENANCE FOR TRANSFORMER NO.2 AT LARKIN SUBSTATION (132KV)
104	ROUTINE MAINTENANCE FOR PASIR GUDANG DARAT SUBSTATION FEEDER PASIR GUDANG POWER STATION (132KV)
105	ROUTINE MAINTENANCE FOR TRANSFORMER NO.2 AT TANJUNG KUPANG SUBSTATION (132KV)
106	ROUTINE MAINTENANCE FOR TRANSFORMER NO.2 AT DESARU SUBSTATION (132KV)
107	ROUTINE MAINTENANCE FOR TRANSFORMER NO.1 AT SKUDAI SUBSTATION (132KV)
108	LOAD FLOW ANALYSIS & PROTECTION COORDINATION STUDY AT KBC KEMAMAN

ACQUIRED SKILLS

Language Proficiency	Malay & English - Excellent in both speaking and writing
Computer Literacy	Expert in Microsoft Software
Engineering Software	AutoCAD, Pspice, Cape, MATLAB, Multism, ETAP
Business Software	SAP ERMS

PROFESSIONAL CERTIFICATE

No	Competency	Issue Date	Comment
1.	Competent Electrical Engineer 275kV (EC Certified)	Apr 2018	JK-T-5-B-0008-2018
2.	Professional Engineer with Practicing Certificate (BEM)	23 Mar 2015	C116727
3.	Member of IEM	16 Sept 2009	G38738
4.	Member of BEM	16 Jan 2009	58035A
5.	TNB Protection Authorize Person 275kV	24 April 2018	KP00736
6.	TNB Protection Authorize Person 132kV	27 Feb 2015	KP00570
7.	TNB Protection Competent Person 132kV	30 Sept 2011	TNBT/AM 224/2011
8.	TNB Protection Competent Person 275kV	28 Sept 2017	TNB/GRID/GM/MTEP 152/2017
9.	OHSAS 18001 Internal Auditor (SIRIM)	7 Dec 2011	-

PUBLICATION

- 1) Nasir, S. N. S., and Asuhaimi, A. Instantaneous protection scheme for backup protection of high-voltage transmission lines. *Turkish Journal of Electrical Engineering & Computer Sciences*. 2017. 25(4): 3261-3272. doi:10.3906/elk-1511-9 (Q4)
- 2) Syed Nasir, S. N., Jamian, J. J., and Mustafa, M. W. Minimization of harmonic distortion impact due to large-scale fast charging station using Modified Lightning Search Algorithm and Pareto-Fuzzy synergistic approach. *IEEJ Transactions on Electrical and Electronic Engineering*. 2018. doi.org/10.1002/tee.22634 (Q4)
- 3) Syed Nasir, S. N., Jamian, J. J., and Mustafa, M. W. Minimizing Harmonic Distortion Impact at Distribution System with Considering Large-Scale EV Load Behaviour Using Modified Lightning Search Algorithm and Pareto fuzzy Approach. *Complexity*, 2018. doi:10.1155/2018/6587493 (Q1)
- 4) Muhamad, N. A., Samah, M. F. A., Bashir, N., Nasir, S. N. S., & Kadir, Z. (2014, December). Potential energy saving for student dormitories: A case study at Institut Latihan Perindustrian (ILP) Pasir Gudang, Jabatan Tenaga Manusia, Malaysia. In Power and Energy (PECon), 2014 IEEE International Conference on (pp. 382-387). IEEE.
- 5) Shafad K. H, Jamian J. J, Nasir S. A., Harmonic distortion mitigation for multiple modes charging station via optimum passive filter design. In Systems, Process and Control (ICSPC), 2016 IEEE Conference on 2016 Dec 16 (pp. 219-223). IEEE.
- 6) Nasir, S.S., Jamian, J.J. and Mustafa, M.W., 2019. Minimizing harmonic distortion impact cause by CS using meta heuristic technique. *Telkomnika*, 17(4), pp.1992-2000.
- 7) Nasir, S.S., Jamian, J.J., Ayop, R. and Mustafa, M.W., 2021. Enhancing power loss by optimal coordinated extensive CS operation during off-peak load at the distribution system. In *E3S Web of Conferences* (Vol. 231, p. 01003). EDP Sciences.
- 8) Nasir, S.S., Ayop, R. and Jamian, J.J., 2020, December. Harmonic Distortion Improvement Considering Bulk Charging Station and Distributed Generation. In *2020 IEEE International Conference on Power and Energy (PECon)* (pp. 276-281). IEEE.
- 9) Ayop, R., Tan, C.W., Mahmud, M.S.A., Nasir, S.S., Al-Hadhrani, T. and Bukar, A.L., 2020. A simplified and fast computing photovoltaic model for string simulation under partial shading condition. *Sustainable Energy Technologies and Assessments*, 42, p.100812.
- 10) Nasir, S.S., 2021. Minimizing power loss considering bulk uncoordinated charging station operation. *Turkish Journal of Computer and Mathematics Education (TURCOMAT)*, 12(8), pp.2019-2026.
- 11) Ayop, R., Tan, C.W., Nasir, S.S., Nordin, N.M. and Mahmud, M.S.A., 2021, May. Angle-Based Photovoltaic Curve Tracing using Boost Converter. In *Journal of Physics: Conference Series* (Vol. 1878, No. 1, p. 012016). IOP Publishing.
- 12) Nasir, S.S., Yusoff, W.W., Jamian, J.J. and Ayop, R., 2021, October. Reducing power loss considering massive charging station using metaheuristic technique. In *2021 IEEE Conference on Energy Conversion (CENCON)* (pp. 169-173). IEEE.
- 13) Ayop, R., Tan, C.W., Nasir, S.N.S., Daud, M.Z., Lau, K.Y., Nordin, N.M. and Bukar, A.L., 2022. The performances of partial shading adjuster for improving photovoltaic emulator. *International Journal of Power Electronics and Drive Systems*, 13(1), p.528.
- 14) Nasir, S.S., Othman, A.F., Ayop, R. and Jamian, J.J., 2022, August. Power loss mitigation and voltage profile improvement by optimizing distributed generation. In *Journal of Physics: Conference Series* (Vol. 2312, No. 1, p. 012023). IOP Publishing.
- 15) Ayop, R., Tan, C.W., Bukar, A.L., Jusoh, A., Muhamad, N.D. and Nasir, S.N.S., 2022. The design of energy storage based on thermoelectric generator and bidirectional converter. *International Journal of Power Electronics and Drive Systems*, 13(3), p.1605.

- 16) Wee, N.R., Jamian, J.J., Nasir, S.N.S. and Zaid, N.M., 2022, December. Enhanced Rule-based Energy Management System for an Islanded Microgrid. In *2022 IEEE International Conference on Power and Energy (PECon)* (pp. 144-148). IEEE.
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