

Ts. Sr Gs. NICHOLAS GOH KYAI EARN,

P.Tech (RB), MRISM, M-IGRSM

Geomatics Engineer | Land Surveyor | Survey & Geospatial Technology

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Muar, Johor, Malaysia



PROFESSIONAL PROFILE

Practising Land Surveyor and Geomatics professional with hands-on site experience in cadastral, engineering, topographic, GNSS, setting-out, as-built, strata and demarcation survey works. Familiar with field data collection, survey control, coordinate handling, plan preparation and routine site survey documentation using Total Station, GNSS receiver, AutoCAD and ZWCAD. Currently pursuing an MBA to strengthen coordination and professional management skills while continuing to develop technical accuracy and practical surveying knowledge.

PROFESSIONAL REGISTRATIONS, MEMBERSHIPS & CERTIFICATIONS

Professional Bodies	Licences / Certifications
Malaysia Board of Technologists (MBOT), RB Section - Professional Technologist	Civil Aviation Authority of Malaysia (CAAM) - Remote Pilot Certificate of Competency (RCoC-B)
Royal Institution of Surveyors Malaysia (RISM), GLS Division - Member (MRISM)	
Institution of Geospatial and Remote Sensing Malaysia (IGRSM) - Professional Member (M-IGRSM)	Construction Industry Development Board (CIDB) - Green Card E-SICW Holder
Association of Authorised Land Surveyors Malaysia (PEJUTA) - Graduate Member	
Land Surveyors Board Malaysia (LJT) - Article Pupil	Qualified Basic Life Support (BLS) holder

EDUCATION

2025 - Present	Master of Business Administration Lincoln University College
2020 - 2023	Bachelor of Geomatics Engineering with Honours CGPA 3.89 Universiti Teknologi Malaysia, Johor Bahru
2017 - 2020	Diploma in Land Surveying CGPA 3.93 Universiti Teknologi Malaysia, Kuala Lumpur

CORE TECHNICAL COMPETENCIES

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|-----------------------|-------------------------|------------------------------|
| • Cadastral Survey | • Setting-out Survey | • Coordinate Data Handling |
| • Engineering Survey | • As-built Survey | • Technical Plan Preparation |
| • Topographic Mapping | • Strata Title Survey | • XML File Preparation |
| • GNSS Survey | • Field Data Collection | • Site Survey Support |
| • Demarcation Survey | • Survey Control | • Survey Documentation |

TECHNICAL EQUIPMENT & SOFTWARE

Total Station | GNSS Receiver | Dumpy Level / Automatic Level | UAV / Drone Equipment | AutoCAD | ZWCAD | Microsoft Office | Survey Data Processing and Technical Plan Preparation Tools

PROFESSIONAL EXPERIENCE

Jurukur Makmur (J) Sdn. Bhd.

Geomatics Engineer / Land Surveyor | Johor Bahru, Johor | 18 September 2023 - Present

- Perform site survey works for Cadastral, Engineering, Topographic, GNSS, Setting-Out, As-Built, Strata and Demarcation Survey Assignments.
- Operate Total Station and GNSS receiver for field data collection, control checks, coordinate observations, spot levels and site measurements.
- Assist in survey data processing and preparation of technical outputs such as survey plans, topographic plans, setting-out plans, as-built plans, strata-related plans, and supporting documents.
- Coordinate daily survey work with the survey team and site personnel to complete measurements, checks and records according to project requirements.

Jurukur Prima

Internship - Drafter & Assistant Site Surveyor | Muar, Johor | July 2022 - October 2022

- Assisted in as-built, cadastral, demarcation, setting-out, pre-comp and strata title survey works for development projects in Melaka, Johor and Kuala Lumpur.
- Prepared pre-construction plans, setting-out plans and detail and spot levelling plans based on survey data and drafting instructions.

Jurukur Resources Sdn. Bhd.

Internship - Drafter & Assistant Site Surveyor | Petaling Jaya, Selangor | November 2019 - April 2020

- Assisted with on-site strata title survey works and prepared JP, CPSP, PA(B) plans and XML files for residential and commercial developments.
- Assisted in engineering survey assignments, pre-construction plan plotting and post-drafting engineering plans for development and infrastructure projects.

SELECTED MAJOR PROJECT EXPERIENCE

The following projects reflect land survey works personally involved in as a typical site land surveyor, including field measurement, detail/topographic survey, boundary pegging, setting-out, as-built measurement, survey data processing and plan preparation where applicable.

Project / Client	Survey Scope	Survey Works Involved
Kemajuan Tong Tor Sdn. Bhd. - Kluang Township Development	Township Land Survey Works.	Involved in planimetric survey, detail survey, boundary pegging, setting-out, as-built measurement, field data collection and plan preparation.
Keck Seng Group - Kong Kong / Pasir Gudang Land Area	Topographic, Spot Level and Detail Survey; Approx. 3,000 Acres.	Personally conducted on-site detail survey, spot-level collection and topographic data capture, data processing and drawing preparation.
Tai Tat Estate - Estate Boundary Survey	Estate Perimeter / Planimetric and Boundary Survey; Approx. 14 Km Boundary And 1,700 Acres.	Involved in perimeter survey, boundary checking, demarcation, boundary stone pegging and related survey records.
Lagenda Suria - Mersing Township Development	Township Land Survey Works; Approx. 1,400 Acres; Pre-Computation and Block Pegging Works.	Involved in planimetric survey, detail survey, boundary pegging, setting-out, as-built measurement, survey data processing and plan preparation. Also involved in Pre-Computation-related survey work and the current block pegging stage, including on-site field measurements, checking and implementation based on the approved survey layout.

SELECTED MAJOR PROJECT EXPERIENCE (CONT.)

Project / Client	Survey Scope	Survey Works Involved
Lagenda Puncak Warisan - Kulai Township Development	Township Survey Works; Approx. 1,000+ Acres; Endorsed Pre-Computation and Block Pegging / Perimeter Survey Works.	Involved in planimetric survey, detail survey and boundary pegging for two phases, including field data collection and plan preparation. Also involved in endorsed Pre-Computation-related survey work and the current block pegging / perimeter survey stage, including on-site measurements, checking and field implementation.
Parkland Group - Bandar Layangkasa Township	Township Land Survey Works; Approx. 1,400 Acres.	Involved in planimetric survey, detail survey, boundary pegging, setting-out, as-built measurement, survey data processing and technical drawing preparation.
Parkland by The River - Permas	High-Rise / Strata and Development Survey Works.	Involved in site measurement, planimetric / detail survey support, setting-out / as-built support, strata survey measurement and plan preparation.
WCity Larkinton @ JGCC	High-Rise / Mixed Development Survey Works.	Involved in building and development survey support, including site measurements, setting-out / as-built support and related survey drawing preparation.
JOLAND @ Suria - Paragon Gateway	High-Rise / Strata Development Survey Works.	Involved in site measurements, setting-out / as-built support, strata-related survey measurements and technical plan preparation.
Gen Rise - Majestic Gen	High-Rise / Strata Development Survey Works.	Involved in building survey measurements, strata survey preparation, as-built records and related survey documentation.
Summer Suite @ Jalan Meldrum	High-Rise / Strata Development Survey Works.	Involved in site survey support, strata survey measurements, plan preparation, XML-related documentation and technical survey records.
MSR Green Energy - Solar Farm @ SD Guthrie Seri Pulai Estate	Topographic / GNSS / Engineering Survey.	Assisted with field survey work, coordinate data collection, site measurement, data checking and technical plan preparation.
Daiman Development Berhad - Taman Gaya / Daiman 18 Golf Club	Engineering / Topographic Survey.	Assisted with site survey execution, spot level / detail survey support, survey data processing and technical plan preparation.
Citizen II, Savanna Plaza, Icon City, Skyz Jelutong and The Opus	Strata Title Survey / XML Preparation During Internship.	Assisted with strata survey works, JP, CPSP, PA(B) plans, XML files and related technical documentation.
MKOD Innovation Park, Alam Impian, TNB, Mah Sing Group - Southville City / M-Adora and JKR Hospital UKM	Engineering Survey Support During Internship.	Assisted with pre-construction plan plotting and post-drafting engineering plan support for development and infrastructure-related projects.

PUBLICATION

N. G. K. Earn, A. H. M. Din, M. H. Hamden, & M. L. A. Affandi. *Enhancing Smart City Infrastructure with GNSS-Based Cadastral Reference Marks*. In Innovations in Geospatial Technology for Sustainable Smart City Development, The Urban Book Series. Springer Nature. Universiti Teknologi Malaysia, April 2026. DOI: [10.1007/978-3-032-08718-8_7](https://doi.org/10.1007/978-3-032-08718-8_7)

AWARDS & ACADEMIC ACHIEVEMENTS

- Royal Education Award (Medal of Excellence), Pejabat Penyimpan Mohor Besar Raja-Raja (Majlis Raja-Raja).
- Tan Sri Mohd Yatim Commemoration Award 2023, Royal Institution of Surveyors Malaysia (RISM).
- Academic Award Holder, UTM 64th Convocation Ceremony (Vice Chancellor Award).
- Dean's List, Bachelor's Degree (Semester I, II, III, IV, V) with CGPA 3.89.
- Dean's List, Diploma (Semester I, II, III, IV, V, VI) with CGPA 3.93.
- Holder of Dato' Dr Low Bin Teck Education Trust Fund (2018 - 2020).

LEADERSHIP, COMMUNITY SERVICE & EXTRA-CURRICULAR INVOLVEMENT

St. John Ambulance Malaysia: Adult Lance Corporal; Committee Member of Blood Donation Campaign (2015 - 2021); more than 1,000 hours of public service duty.

University Leadership: Director of UTM Anti-Corruption Week 2020; Deputy Treasurer of Revolusi Club UTM; committee member of PEMETA, AMAR and SEJATI.

Community Engagement: Vice director and Head of Mangrove Project, Program Aceh Community Engagement and Humanity 2019; Secretary, UTM@PASURUAN 2018; Director, UTM@MUAR 2018.

KELANA UTMKL: Vice-chairman of Kelana Siswa Club (2018/19); involved in local and international student / community programmes.

LANGUAGES & ADDITIONAL INFORMATION

Languages	Malay, Chinese, English and Hokkien
Nationality	Malaysian
Driving Licence	D / E / GDL / PSV

REFERENCES

References available on request.