

Ganageswaran Shanmugam

Project Engineer

+6012-5393047 | n4ganages@gmail.com

Professional Summary

Motivated Project Engineer with a background in Civil Engineering (Technology), specializing in project planning, structural analysis, and construction management. Skilled in coordinating teams, managing budgets, and ensuring safety compliance. Proficient in civil engineering technologies and focused on delivering high-quality, sustainable projects. Seeking to contribute to innovative, cost-effective engineering solutions while staying updated on emerging trends and technologies like BIM and sustainable design.

Work Experience

Syarikat Pembinaan DSR Sdn. Bhd.

Project Engineer

June 2023 - Present

- Collaborating with architects, engineers, and clients to develop detailed project plans.
- Analyzing blueprints, technical drawings, and specifications to ensure feasibility and compliance with standards.
- Creating and managing project timelines, milestones, and deliverables.
- Overseeing week-to-week activities on the Langkawi construction site to ensure smooth project execution.
- Coordinating and supervising contractors, subcontractors, and labourers to ensure tasks are completed on schedule.
- Ensuring compliance with safety regulations, quality standards, and building codes.
- Estimating project costs and manage budgets to avoid cost overruns.
- Procuring materials and equipment, ensuring availability and adherence to project requirements.
- Identifying potential risks and develop mitigation strategies to minimize project delays or failures.
- Troubleshooting issues as they arise and provide engineering solutions to resolve technical problems.
- Liaising with clients, stakeholders, and team members to communicate progress, updates, and challenges.
- Preparing and maintain project documentation, including reports, permits, and records.
- Providing regular project status reports to management and stakeholders.
- Overseeing the final phases of construction, ensuring the project is completed on time and within scope.
- Coordinating final inspections, documentation, and training for the client.
- To discuss material prices with suppliers and negotiate with them.
- To supervise mechanical works, including cold water systems, plumbing, sanitary plumbing, air-conditioning, mechanical ventilation, and pressurization systems.
- Preparing proposal of projection claim for all sub-contractor works to monitor the cash-

flow floating in project.

- Preparing and approving monthly claim certificate to all sub-contractors based on site progress.
- Monitoring project schedule time to time to make comparison between progress versus cash flow.
- Issuing purchase order (PO) to supplier after analysis process is completed by quantity surveyor.
- Issuing work order (WO) to sub-contractor who won the tender.
- Conducting LION meeting with site management team for every month.

Site Engineer

June 2020 - May 2023

- Supervision and managing condominium project at Langkawi, Kedah.
- Prepared excavation level calculation and monitored pilecap excavation.
- Conduct final inspection as C&S representative to works passed to next operation. (Assist to C&S to carry out their works at site)
- Check the piling position and report to C&S whenever necessary. (Conduct PDA Test)
- Produce 3D drawings by using SketchUp application to identify the clash work during design stage.
- Communicate with design engineer to discuss the construction and design issues. Issue RFI if necessary.
- Coordination with Client, Architect, Suppliers and Sub-contractors, whenever necessary.
- To solve all technical issues at site based on C&S and Project Manager advised.
- To check quality of material, quality of workmanship and quality of structure. (QA/QC)
- Produce master work programme by using Microsoft Project. Monitor the drawing based on the baseline program.
- Taking-off rebar, concrete and formwork quantities.
- Prepare monthly progress report for structure and architecture works.
- Prepare list of resources needed for site based on work schedule. (MRF)
- Conduct weekly progress meeting with project manager and sub-contractors.

Sri & Sri's Associates Sdn. Bhd.

Assistant Resident Engineer

Jan 2020 – May 2020

- Supervised and monitored a high rise building project and monitored slope stability works at Paya Terubong, Penang.
- Designed, analyzed and monitored slope stability for Paya Terubong Project.

Site Supervisor

Oct 2015 – Jan 2017

- Supervised a multipurpose hall and club house at Indian Association (IA) project in Penang
- Periodic supervision at Gurdwara project at Seberang Jaya.

Education

1. Bachelor of Civil Engineering Technology (Construction)

Universiti Tun Hussein Onn Malaysia (January 2017 – January 2020)

- First Class Degree: 3.76
- Awarded dean's list in every semester
- Exco Of Multimedia, “Biro Kebudayaan Mahasiswa India, (Bkmi)”
- Exco Of Multimedia, Kelab Sukarelawan Uthm, (Ksu)”
- Volunteered And Participated In Cultural Night Event
- Participant In Breast Cancer Awareness Campaign- (2018)
- Participant In Physical Fitness Program
- Program Director of Building Forensic Engineering Site Visit At National Library, Kuala Lumpur
- Participant In Building Information Modelling (Bim) Competency Training Course

2. Diploma in Civil Engineering

Polytechnic Tuanku Sultanah Bahiyah (2012 – 2015)

- Secretary of Indian Cultural Society - (2013-2014)
- Secretary of Kedah Indian Youth Council - (2013-2014)
- Volunteered in “Program Sambutan Hari Kebangsaan 2015” (District Level)
- Facilitator of Leadership Camp at Sjkt Wellesley
- Volunteered in Teaching for Slow Learner Student At Sjkt Wellesley - (2013-2014)
- Produced the best Innovation in Civil Engineering Department - (2015)
- Participated in I-Compex Program at Polisas (Won Gold Award for Best Innovation) - (2015)
- Participant in Go Green Program at Polytechnic

Accomplishments

- Jury in RITEC 2021 and Jury for Final Year Project (FYP) for Geotech (UTHM)
- Published Journal in UTHM Book Series 3, 2020.
- Vice Chancellor Award, Convocation UTHM 2020.
- Won gold award in ICOMPEX 2016 for best innovation at POLISAS.
- Conferred certificate in Building Information Modelling (BIM) competency training course.
- Dean list award for every semester in UTHM.
- Best civil engineering project award in Polytechnic 2015.
- Conferred certificate of appreciation as a school prefect in secondary school.

Languages

- i. MUET Band 3
- ii. High Proficiency in English, Malay and Tamil language
- iii. Excellent written skills in English, Malay and Tamil language

Software Literacy

- i. Excellent literacy in:
 - Primavera P6** : For project scheduling, planning, and management.
 - Microsoft Project** : For managing timelines, resources, and tasks in construction projects.
 - AutoCAD** : For creating detailed construction designs and blueprints.
 - SketchUp** : For providing quick visualizations of construction ideas and layouts for presentations.
- ii. Well-versed in **Microsoft**: Excel, Power Point, Word, Outlook, Team, Form
- iii. High literacy in **Google Workspace**: Canva

Professional Skills

- i. **Technical Proficiency**: Strong understanding of civil engineering principles, including structural analysis, geotechnical engineering, construction materials, and environmental engineering, along with proficiency in modern construction methods and technology. Familiarity with project management software (**AutoCAD, Ms Project, Sketch-Up**), cost estimation, quality control, and safety standards ensures effective project execution and compliance with regulations.
- ii. **Resource Management**: Proficiency in efficiently allocating and managing materials, equipment, and workforce.
- iii. **Budgeting and Cost Control**: Skills in estimating project costs, managing budgets, and monitoring expenses.
- iv. **Quality Assurance and Compliance**: Knowledge of industry standards, building codes, and quality control procedures to ensure compliance.
- v. **Risk Management**: Capability to identify, assess, and mitigate project risks and issues.

Soft Skills

- i. **Project Management**: Proficient in planning and scheduling project timelines, managing resources efficiently, and ensuring optimal use of materials, machinery, and workforce. Skilled in risk management, budgeting, and financial oversight to maintain project efficiency, stay within budget, and meet deadlines.

- ii. **Leadership and Team Coordination:** Capable of leading multidisciplinary teams of engineers, architects, contractors, and suppliers while effectively managing on-site activities. Strong decision-making and problem-solving abilities, particularly under pressure, ensure smooth project execution.
- iii. **Communication Skills:** Skilled in engaging with clients and stakeholders to ensure project alignment with goals, while maintaining clear documentation of progress and issues. Proficient in negotiating contracts, agreements, and resolving disputes with subcontractors and vendors to ensure smooth project execution.
- iv. **Adaptability and Problem-Solving Skills:** Capable of managing unexpected on-site challenges, such as weather delays or technical issues, with real-time problem-solving. Skilled in applying innovative technologies and methods to enhance construction processes and improve project outcomes.
- v. **Documentation Review:** Skilled in reviewing and managing accurate project documents, ensuring compliance with legal and industry standards, including contracts, blueprints, progress reports, and regulatory compliance records.

Professional Certificates

- Member of Malaysia Board of Technologist (MBOT) as Graduate Technologist (Registration Nom: GT20110779)
- Member of Board of Engineer Malaysia (BEM) as Graduate Engineering Technologist. (Registration Nom: T19758)

References

Name: Mr. Sham Sundar
Position: Managing Director of DSR
Contact Number: 04-4222788

Name: Ir.M.Srinivasan (Professional Engineer)
Position: Managing Director of SRI&SRI'S Associate S/B
Contact Nom: 04-3326112