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**FACULTY OF ENGINEERING**

**Overview on Utility Scale Solar Project  
Element and How Multidiscipline Engineering  
Collaborates Towards Achieving Successful  
Project**

**(An industrial talk by DNV GL International)**

**Date: 25<sup>th</sup> August 2020 (Tuesday)**

**Time: 9am to 10am**

**Venue: <https://meet.google.com/yre-ecbf-dws>**

**Majoring: LE**

**(Students of other majors, postgraduate students and staff are welcomed to join)**

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**TALK ABSTRACT**

Malaysian government has set its 2025 target to achieve 20% of Renewable Energy (RE) mix production through various sources where solar energy is showing a tremendous growth in the RE segment. This initiative was mainly driven by the Ministry of Energy and Natural Resources (KETSA) via Malaysian Energy Commission (ST) as the implementing agency. Large Scale Solar (LSS) projects were introduced back in 2016 (LSS-1) replacing the Feed-In-Tarif (FIT) scheme to drive down the Levelized Cost of Energy (LCOE) where today it has progressed up to LSS 3 and LSS 4. Designing, constructing, operating and maintaining giant solar plants requires a good blend and collaboration between multi engineering disciplines towards achieving the target objective towards a cleaner environment. In this talk, we will be looking at all overview of crucial elements of the Grid Connected Large Scale Solar Plant and the importance of multidiscipline engineering collaboration.

**SPEAKER**



Mr. Ganesh Rao Nagiah, Project Manager, Team Lead and Senior Civil & Structural Integrity Engineer for DNV GL in the Renewables Advisory Group based in KL, Malaysia. In solar industry, Ganesh has supported engineering design review, site visits, lender's technical advisor and technical due diligence for utility scale solar projects and floating solar in Asia Pacific region close to 200MWac. Prior to joining solar industry, he has around 9 years' experience in offshore engineering includes offshore structural integrity management (SIM), offshore risk-based inspection (RBI), offshore inspection work pack development & inspection planning, offshore operational audit, structural design engineering, digitalization project, team management and project management.