

# WEBINAR TALK

## INTRODUCTION TO OIL & GAS PLATFORMS AND PETROLEUM FIELD DEVELOPMENT PLAN (FDP)



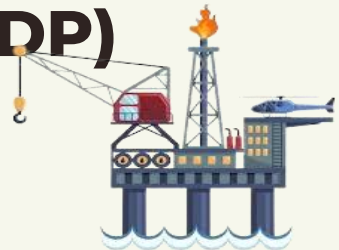
11 October 2025, Saturday



9.00 AM to 11.00 AM



Online Platform



ORGANISED BY:

OIL, GAS AND MINING TECHNICAL DIVISION, IEM

### SYNOPSIS

This talk provides an introductory overview of the oil and gas industry with a focus on offshore platforms and the petroleum field development planning stages. Audiences will gain insights into the different types of oil and gas platforms – including fixed platforms, floating systems, and subsea installations – and their roles in exploration, drilling, production, and transportation.

The session will also cover the Petroleum Field Development Plan (FDP), highlighting the key stages involved: reservoir evaluation, concept selection, engineering design, economic assessment, ESG, and regulatory approval. Emphasis will be placed on how multidisciplinary teams collaborate to balance technical feasibility, safety, environmental stewardship, and cost-effectiveness in developing a petroleum field.

By the end of this talk, attendees will have a clearer understanding of:

- The function and types of oil & gas platforms
- The strategic steps in a petroleum field development plan
- The importance of safety, sustainability, and innovation in project planning

This session is designed for students, young engineers, and professionals seeking to build foundational knowledge of the oil and gas industry.

### BIODATA OF SPEAKER



Ir. Ts. Dr. Harvin Kaur Gurchran Singh is an accomplished Assistant Professor and Programme Leader for Petroleum Engineering at Asia Pacific University of Technology & Innovation (APU). A Professional Engineer (Ir.), Chartered Engineer (CEng), and European Engineer (Eur Ing), she holds a double PhD in Petroleum Engineering and Business Administration, alongside certifications in Lean Six Sigma (Master Black Belt), ESG, and Project Management. With over a decade of diverse experience in academia and the oil & gas industry, Dr. Harvir blends technical expertise in flow assurance with a passion for education.

### REGISTRATION FEE

**IEM STUDENT: FOC**  
**IEM MEMBER: RM15**  
**NON IEM MEMBER: RM70**

**BEM APPROVED CPD: 2**  
**REF. NO:**  
**IEM25/HQ/495/T (w)**