

Productivity Step-up for Construction Architecture Sector Programme (2023)

Project Tracking using Power BI

(Session 13)

<p align="center">Day 1 (Online Class) 25 September 2023 (10.00am-5.00pm)</p>	<p><u>Diagnostics lesson</u> Productivity assessment is introduced for companies to identify the overall company performance and readiness to adopt technology. The companies will understand their strengths, weaknesses, and potential areas for improvement.</p> <ul style="list-style-type: none"> • Recap of Power BI fundamentals. • Introduction to Architecture Project Tracking. • Identifying relevant data sources in architectural projects. • Importing and transforming data using Power BI.
<p align="center">Day 2 (Online Class) 26 September 2023 (10.00am-5.00pm)</p>	<p><u>Process Analysis lesson</u> The second phase of the programme examines the current processes of companies. Participating companies will be guided to analyse their key processes and understand their points and problem statements. Furthermore, it can help the companies determine the best solution and intervention.</p> <ul style="list-style-type: none"> • Dashboard design considerations for architectural projects. • Visualizing project timelines and resource allocation. • Utilizing Power BI's mapping capabilities for architectural visualization. • Practical session: Creating an architectural project dashboard.
<p align="center">Day 3 (Physical Class) 27 September 2023 (10.00am-5.00pm)</p>	<p><u>Intervention / Implementation Lesson.</u> Introduces a solution through process intervention and the use of technology within the identified indicators (Cost, waste, time, capital, etc..). Companies come out with a project report on solution proposed, either through digitalization in Construction.</p> <ol style="list-style-type: none"> <u>1) Fill up Report & follow the format</u> <u>2) Industrial grade Proof-of-Concept for MPC</u>

Required hardware:

<p><i>MacOS or Microsoft Windows 8/10/11 (64-bit).</i></p>
<p><i>i3/ Ryzen 3 minimum CPU processor unit, i7/Ryzen 7 above recommended.</i></p>

Training location:

-(Seminar Room) or (Training Room I&II), Blok B, UPM-MTDC Technology Centre III, Universiti Putra Malaysia, 43300 Serdang, Selangor Darul Ehsan.