

TECHNICAL VISIT TO PETRONAS ROTATING EQUIPMENT ANALYTICS (PROTEAN)

(Organized by Mechanical Engineering Technical Division, IEM)
BEM Approved CPD/PDP Hours: 2 Ref no: IEM19/HQ/377/V

Date : 26th September 2019 (Thursday)
Time : 09:00 to 11:00 hours
Venue : PETRONAS ROTATING EQUIPMENT ANALYTICS (PROTEAN)
Transport : Own Transportation

SYNOPSIS

PETRONAS ROTATING EQUIPMENT ANALYTICS (PROTEAN) Solution: It's an in-house Predictive Maintenance solution for Rotating Equipment to identify anomalies trends, highlight potential incipient failures & identify opportunities for reliability improvement. PROTEAN utilized existing PI data from remote facilities. The data will be analyzed within PI AF software suite running various analytics and subsequently alert the user for any changes and potential threat to the machine. Alerts are visualized through PI Notification and further to this shown on a unique dashboard which will also show system and unit health. The end state is to monitor the asset from a central location, partnering software solutions with predictive capabilities with analytics experts trained to convert small anomalies in industrial data into actionable early warnings of potential failure. PROTEAN has been recognized as one of leading digital solutions within PETRONAS and integral part of the Industrial Revolution 4.0 journey. Relevancy to Mechanical discipline since the remote monitoring and predictive analytics are for mechanical rotating equipment.

ITINERARY OF THE VISIT

Commitment fees (Inclusive of SST)
(Non refundable & non transferable)
IEM Member: RM 50.00
Non IEM Member: RM 80.00

TIME	ITINERARY
08:45 – 09:00	Registration at PETRONAS Tower 2 Lobby
09:00 – 09:15	Ice Breaking Session at Level 23, Tower 2
09:15 – 09:45	Introduction of PROTEAN
09:45 – 10:00	PROTEAN Pi Vision display at Digital Centre
10:00 – 10:15	PROTEAN Alerts
10:15 – 10:45	Q&A
10:45 – 11:00	Closing Remarks and Adjourn

PERSONAL DATA PROTECTION ACT

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

- ✓ The visit is strictly limited to **30 participants** registered on a first-come, first-served basis.
- ✓ Interested participants are to register and pay online at www.myiem.org.my or register by returning the appended registration form **before 23rd September 2019** together with the payment.
- ✓ Cheques are to be made payable to **The Institution of Engineers, Malaysia**.
- ✓ Please note that the commitment fee must be settled prior to the visit. Payment on the day of the visit is not acceptable.
- ✓ After this closing date, IEM reserves the right to allocate seats on first come first pay basis.
- ✓ Members are also reminded that if a place is reserved, IEM *may* cancel the reservation if payment is not received.
- ✓ **Dress Code: Office Attire only. Jeans/round neck shirts are not allowed.**

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I wish to participate in the above visit on **23rd September 2019**. I enclosed herewith a cheque No
for the amount of as my commitment fee for the visit.

Name of Member	:	.....	M'Ship No	:	.....
Company's Name	:	.....	NRIC	:	.....
Position	:	.....	Email	:	.....
Address	:	.....	Tel	:	.....
		.....	Mobile	:	.....
		.....	Fax	:	.....

I will be participating in the visit at my own risk and hereby indemnify fully the IEM from all claims arising from any injury, damage or loss that maybe sustained by me.

.....
(Date)

.....
(Signature)

Ir. Syed Neguib bin Syed Mohamed
Chairman Session 2018/2019
Mechanical Engineering Technical Division, IEM