

**TECHNICAL VISIT TO
SMART FERTIGATION CHILI SATELLITE FARM, PPK KUALA LANGAT**

(Organised by Agricultural and Food Engineering Technical Division, IEM)
BEM Approved CPD/PDP Hours: 3 Ref. no: IEM18/HQ/498/V

Date : 24th January 2019 (Thursday)
Time : 9.00 a.m -1.00 p.m
Venue : Lot 308, Jalan Sultan Abdul Samad, 42700 Banting, Selangor
Transport: Coach will be provided. (Coach will depart at 8.00am sharp)

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

SYNOPSIS

The satellite farm is the first smart fertigation chili satellite farm in Malaysia, located 2km away from the farm produce collection centre of the Farmers Association of Kuala Langat. The objectives of using technology in plantation are to improve efficiency of crop management and pest control, to prevent of man-made mistakes, and to increase production of crops. Utilizing the smart fertigation system, this satellite farm has according to reported data improved production yields while reducing operational costs. The cost for fertilizer has decreased by 10 to 20 per cent and instead of two farmhands, only need one person per acre of land now, reducing labor cost by 50 per cent. At the core of the smart fertigation system which is designed for rapid Internet-of-Things (IoT) deployment and comes fully customizable with an open IoT hardware platform. The smart fertigation system utilizes IoT platform to collect data from various sensor points which records a variety of information from humidity to soil conditions, the platform then compiles, analyses and distributes actionable information to the end user via a dashboard which can be accessed through a laptop or smart phone. This new satellite-powered agricultural management platform will empower agropreneurs and stakeholders by using IoT to increase yield and quantity.

ITINERARY OF THE VISIT

TIME	ITINERARY
9.00 a.m.	Arrival at Satellite Farm, PPK Kuala Langat
9.15 a.m.	Introduction to SMART Fertigation Chili Satellite Farm
10.30 a.m.	Q & A session
11.00 a.m.	Technical visit to operation of SMART Fertigation Chili Satellite Farm
12.30 p.m.	Refreshment
1.00 p.m.	Dismiss

Ir. Vasan Mariappan
Chairman Session 2018/2019
Agricultural and Food Engineering Technical Division, IEM

- ✓ 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 19 Jan 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.

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.

REPLY SLIP (Fax to : 03-7957 7678) (Email: ezzaty@iem.org.my)

Chairman, Agricultural and Food Engineering Technical Division, IEM
The Institution of Engineers, Malaysia

Technical Visit to SMART Fertigation Chili Satellite Farm, PPK Kuala Langat

I wish to participate in the above visit on **24 January 2019** I enclosed herewith a cheque No for the amount of as my commitment fee for the visit.

Name of Member :
Company's Name :
Position :
Address :

M'Ship No :
NRIC :
Email :
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 may be sustained by me.

.....
(Date)

.....
(Signature)

Please bring along this flyer for confirmation of attendance
(Photostat copies are acceptable)