

FTIR SPECTRAL INTERPRETATION COURSE

Objective:

The Spectral Interpretation course for FT-IR is designed for scientist, researches & technicians from various industries which concern on spectral quality while minimizing analysis time and costs. The course material is presented as a combination of fundamental of IR theory, FTIR Instrumentation, and hands-on activities through Research Grade Nicolet iS50 demo unit setting with samples provided. An unknown sample will be provided to work on the identification to create an interesting learning platform.

Course Content:

- ❖ **Theory of infrared absorption**
Interaction of molecules with light
- ❖ **Infrared instrumentation**
- ❖ **Infrared spectral interpretation**
Introduction to the methodology
- ❖ **Sample for identification examination**
- ❖ **Tips & Tricks for sample analysis**
- ❖ **Improve spectral quality & extract useful information**
- ❖ **Interpretation tools, aids & techniques**
Introduction to interpretation tool through advanced software features
- ❖ **Characteristics group frequencies**
Alkanes Straight Chain and Branched / Alkenes Triple & Cumulated Double Bonds / Aromatic Hydrocarbon / Carbonyl / Ether & Hydroxyl / Amides, Amines & Nitro Groups / Halogen / Polymer / Inorganic
- ❖ **System troubleshoot & maintenance**

Trainer Profile:



Michelle Lee (Senior Application Chemist), Nexus Analytics Sdn Bhd

Michelle Lee graduated with a Bachelors degree in Pharmaceutical Chemistry from the International Medical University. She is handling the product range of Thermo Scientific FT-IR, Raman spectroscopy and Netzsch Thermal Analyzer. She has conducted various application trainings, giving workshop and courses on fundamental and application of those techniques to user in the industry, as well as academics.



16-18th
December 2019

Nexus Analytics
(Training Room, 3rd floor)

D12-11-3, Block D12,
Pusat Perdagangan Dana 1,
Jalan PJU 1A/46, 47301,
Petaling Jaya, Selangor

Confirmation of registration will be sent upon receipt of payment.

Full payment for the course must be made within **5 days** after register to secure the seat.

Get **50% Discount** of FTIR Sample Analysis at our Lab!
(2 samples only)

✓ **CERTIFICATE OF COMPLETION** will be
provided upon completion of the course .

**Registration
Fee**

RM 1,900 net
Free Lunch

LIMITED SEATS ONLY !

**REGISTER & MAKE PAYMENT TO
RESERVE YOUR SEATS!**

Registration Link:

<https://goo.gl/forms/UB2wfz4g9BThSDs43>



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For more information for this course, please contact:

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