FRAGRANCE & FLAVOUR DEVELOPMENT CENTRE.

(Ministry of MSME, Govt. of India)

Makrand Nagar, Kannauj-209726(U.P.) Email: ffdcknj@gmail.com

Web-site :- www.ffdcindia.org

Course Content

Training on

Quality assessment of Essential oils /aroma chemicals using modern instrumental techniques

1. Duration :- One week (as per schedule on website <u>www.ffdcindia.org</u>)

2. Timing :- 10.00 AM to 6.00 PM

3. Venue :- (As per on website www.ffdcindia.org)

4. Intake :- 25 Participants

5. Fee :- (As per on website <u>www.ffdcindia.org</u>)

6. Eligibility : - 12th Pass out

Objective: - The course is designed for the participants to understand basics of quality assessment of their essential oils/aroma chemical. Participants also enhance their knowledge to work quality assessment on sophisticated instruments for essential oil, fragrance & flavour raw material.

Course Content:

- ➤ Introduction to essential oils, fragrance and flavour.
- > Determination of oil content in aroma bearing crop/material by Clevenger's method.
- ➤ Determination of concrete/absolute in aroma bearing crop/material by soxhlet method.
- Fundamentals of quality assessment of essential oils & aroma chemicals.
 - a) Classical techniques includes
 - i) Sensory evaluation odour quality analysis
 - colour quality analysis
 - ii) Physical tests specific gravity
 - refractive index
 - optical rotation
 - solubility
 - iii) Chemical tests Determination of acid value.
 - Determination of ester value.
 - Determination of combined alcohols and free alcohols.
 - Determination of ester value content after acetylation.
 - b) Instrumental techniques includes-
 - Gas chromatography (GC) and
 - Thin layer chromatography (TLC)
- Methods/specifications/Standards of essential oils and aroma chemicals.
- Assurance of the quality of test results.
- ➤ Accreditation of the laboratory practical demonstration of extraction and distillation of essential oils.
- ➤ Practical demonstration of all the above methods will be done.

How to apply: - Send your filled registration form along with one passport size photograph & identify certificate via e-mail (<u>info@ffdcindia.org</u> / <u>ffdcknj@gmail.com</u>)

Note: Fee can also be credited online on following details and copy of the bank receipt may be forwarded by E-mail for getting receipt of your credit.

Account no.: 10892289104

Name of account holder: - FFDC Nature of account: Current Branch Name & Address: State Bank of India, Saraimeera, Kannauj

Branch Code: 00664 IFSC code of Branch: SBIN0000664 MICR Code of Bank: 209002001

OR

Fee can also be transferred online by clicking https://www.onlinesbi.sbi/sbicollect/icollecthome.htm

The Principal Director,

Fragrance & Flavour Development Centre, Min. of MSME, Govt. of India,

Makrand Nagar, Kannauj-209 726. Web-site – www.ffdcindia.org