

**Course Content**

**Training on**

**Comprehensive training programme covering all aspects of essential oil, fragrance & flavour industry**

1. Duration :- 15<sup>th</sup> to 30<sup>th</sup> November, 2018
2. Timing :- 10.00 AM to 5.00 PM
3. Venue :- FFDC Kannauj
4. Intake :- 22 Participants
5. Fee :- Rs. 27,000/- per participant
6. Eligibility :- 12<sup>th</sup> with well-versed in English

**Objective:** - The course is designed for the participants to understand, know the various aspects of essential oil, fragrance & flavour industry including cultivation of some aromatic plants, distillation, value addition, quality assessment of essential oils, creation of fragrance & flavour. Also understand application and government policy framework to initiating small business.

**Course Content:**

- Global Scenario of Essential Oils & its application.
- Cultivation practices of major aromatic and medicinal crops like Rose, Geranium, Lavender, Patchouli, Japanese mint, Pepper mint, Spearmint, Basil, Citronella, Vetiver, Palmarosa & Lemongrass.
- Distillation of aromatic crops by field distillation unit
  - Principles, Processing & Techniques for essential oils like steam distillation, solvent extraction, reaction and Fractionation.
  - Practical demonstration of steam distillation on pilot scale.
  - Basics of fractional distillation as applied to essential oils like, lemongrass, citronella, palmarosa etc.
  - Practical demonstration of fractional distillation on pilot scale
- Value addition in essential oils like citronella, lemongrass, mint, basil etc.
- Practical demonstration of value addition of some essential oils
- Fundamentals of processing for aroma chemicals. Practical demonstration of processing
- Basic principle and Practical demonstration of solvent extraction techniques.
  - a) Lab Scale
  - B) Pilot Scale
- Quality assessment of essential oils, aroma chemical using Physico-chemical and instrumental analysis using GLC, GC-MS Refractometer, Polarimeter etc.
- Classification, differentiation, memorization & recognition of odours
- Creation of flavour & fragrances
- Application of essential oils, fragrances & flavours in various products like agarbatti, Dhoopbatti, cream, shampoo, talcum powder.
- Policies of Govt. for the small scale industries.
- Various financial institutions, engaged in financing the small scale sector like Schedule Bank, State Financial Corporations, SIDBI, NABARD etc.
- Management aspects including financial and material Management of small scale sector & perfumery industries.
- Export policies & procedures for the essential oils & allied items.
  - a) Food Protection Act & Acts Governing & applicable in flavour items (FEMA).
  - b) Regulatory aspects related to fragrance and its raw materials (IFRA).
- Field visits of essential oils and attar manufacturing industries

**How to apply:** - Apply on plain paper indicating Name, Father's name, Date of birth, Qualification, Address for Correspondence, Category, Mobile no., Present area of working & its duration addressed to Principal Director, FFDC, Makrand Nagar, Kannauj- U.P.-209726 on [ffdcknj@gmail.com](mailto:ffdcknj@gmail.com) / [info@ffdcindia.org](mailto:info@ffdcindia.org) latest by 12.11.2018.

**Fee:** - Rs. 27,000/- per participant  
(Fee includes boarding & lodging)

**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, Saraimera, 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.com/prelogin/icollecthome.htm?corpID=367889>

The Principal Director,  
Fragrance & Flavour Development Centre, Min. of MSME, Govt. of India,  
Makrand Nagar, Kannauj-209 726. Web-site – [www.ffdcindia.org](http://www.ffdcindia.org)

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