

**FRAGRANCE & FLAVOUR DEVELOPMENT CENTRE,**  
(Ministry of MSME, Govt. of India)  
Makrand Nagar, Kannauj-209726(U.P.) Email: [ffdcknj@gmail.com](mailto:ffdcknj@gmail.com)  
Web-site :- [www.ffdcindia.org](http://www.ffdcindia.org)

Course Content

**Summer training for under graduate students on Essential oil, fragrance & flavour**

1. Duration :- One Month (As per the schedule on website [www.ffdcindia.org](http://www.ffdcindia.org))
2. Timing :- 10.00 AM to 5.00 PM
3. Venue :- (As per on website [www.ffdcindia.org](http://www.ffdcindia.org))
4. Intake :- 25 Participants
5. Fee :- (As per on website [www.ffdcindia.org](http://www.ffdcindia.org))
6. Eligibility :- 12<sup>th</sup> Pass out / appearing

**Objective: -** The course is designed for the participants to know about essential oil, fragrance & flavour raw materials. Also learn about method of cultivation of aromatic crops, extraction & value addition of essential oils & compounding of fragrance & flavour.

**Course Content:**

- ❖ **Cultivation & Prospects of Aromatic crops**
  - The aroma bearing crops & their importance
  - Cultivation of Aromatic & medicinal crops
  - Rose, Matricaria, Geranium, Lavender, Patchouli, Japanese mint, Pepper mint, Spearmint, Basil, Citronella, Vetiver, Palmarosa & Lemongrass.
  - Practical demonstration on field distillation unit
- ❖ **Extraction & Value addition of Essential oil**
  - Theories of distillation
  - Distillation techniques at a glance
  - Value addition in essential oil & manufacturing of aroma
  - Practical demonstration of fraction distillation on pilot scale
- ❖ **Quality Assessment**
  - Distillation of essential oil by Clevenger apparatus
  - Gas Liquid Chromatography
  - Bureau of Indian Standards
  - Practical demonstration on quality control in fragrance raw material
- ❖ **Fragrance Creation**
  - Classification of odours
  - Modes of creation of fragrance
  - Safety & regulatory aspects
  - Practical demonstration of fragrance & perfumery
- ❖ **Fundamental of Flavors Development**
  - Basics of Flavour
  - Some important essential oil for Flavours
  - Application of Flavors in industries

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

**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, Saraiameera, Kannauj

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

**OR**

Fee can also be transferred online by clicking

<http://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](http://www.ffdcindia.org)