



Indian Institute of Integrative Medicine- Technology Business Incubator (IIIM-TBI)

One month Training program (cGMP Unit):

Training shall be imparted through lectures by the experts and through Practical in the area of extraction, formulation, QA/QC, and Utilities etc.

Extraction (Week 1)

- i. Plant authentication using macroscopic & microscopic characters
- ii. Raw material testing parameters (Chemistry Manufacturing Controls) as per the Ayurvedic Pharmacopeia of India.
- iii. Extraction Methods
- iv. Types of Extraction Processes (Alcoholic, Hydro alcoholic & Aqueous)
- v. Extract drying processes (Freeze drying, Spray drying)
- vi. Testing parameters of extracts as per the Ayurvedic Pharmacopeia of India or their official Monographs
- vii. CMC of APIs (extract)

Formulation Unit (Week 2)

The trainees shall work in the formulation unit to learn about the Good Manufacturing Practices involved in the preparation of AYUSH formulations (Oral dosage forms: Tablets, Capsules & Liquid Orals). The topics to be covered include:

- i. Excipients to be used in the manufacturing process
- ii. GMP for manufacturing process
- iii. In-process controls checks
- iv. Testing of Finished product as per the official monograph or In-house specifications & test methods
- v. Packaging & labelling of the finished product

Quality Control (Week 3)

- i. Stability studies as per the ICH Q1 guidelines (stability sampling, intervals & shelf life period estimation)
- ii. Storage conditions of Reference standards and control samples for the formulations and extracts.
- iii. Methods used for the analysis of extracts and formulations.
- iv. Familiarity with SOP's used in cGMP

Utilities & Report (Week 4)

- i. Types of water used in the Pharmaceutical Industries (RO, Purified water, Raw water & water for Injection etc.)
- ii. Importance of Effluent treatment plant in Pharma Industry
- iii. Functions and application of AHU system in classified areas of cGMP facility.

IIIM-CSIR UNIT FOR MANUFACTURING HERBAL DRUGS
Canal Road, Jammu, J&K 180001
(www.iiimcgm.com)

Application for One Month Training Program

Name : _____

Father/Mother's Name : _____

Date of Birth : _____ Sex: _____

Institute/College : _____

Affiliated to _____

Degree/ Pursuing : _____ Semester: _____

Contact Address : _____

_____ PIN _____

Contact Phone/Mobile No : _____

E-mail id : _____

Attested
Photo

Academic Record (starting from 12th onward)

Degree	Name of University/ College	Year of Admission	Year of Passing	Marks/ Grade	Rank/ Division If any
12th					
B.Sc/B.Pharma					
M.Sc /M.Pharma					

Industry Sponsored Candidates

Applications from undergraduate/graduate students with experience in cGMP shall also be entertained.

Additional Qualifications if any: _____

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

(Signature of the Candidate)