

JSS Academy of Higher Education & Research, Mysuru
(Accredited "A+" Grade by NAAC)
Department of Pharmaceutical Analysis
JSS College of Pharmacy
Ootacamund, The Nilgiris, Tamilnadu

REPORT ON
ONE WEEK HANDS ON TRAINING PROGRAM ON "BASICS IN HPLC METHOD
DEVELOPMENT – PHASE I 09th -15th February 2019

In present Pharmaceutical field pupil study the subjects more theoretically than the practical. All the institutes are producing the under graduate and post graduate students considerably in good quantity. Whereas the quality of student is not only decided by the theory mark what they score on their respective university evaluation pattern. Apart from the marks the real life skills place a major role on their future perspectives. On the other hand the pharmaceutical industries expectations are also reasonably increasing on these days to adopt them easily in to the industry after completing their course period. Hence the student who gain the industry oriented theory and practical skills may really be helpful to the scholar to shine on their future endeavors. Department of Pharmaceutical Analysis understood the importance of Hands on training in the present scenario. Hence the designed program provided the basic understanding of liquid chromatography (LC), and a thorough and solid knowledge of high-performance liquid chromatography (HPLC) including but not limited to the fundamentals, the principles of Instrumentation, operations, the chromatographic terminologies like different modes of separation, effect of Mobile phase, pH of mobile phase, flow rate, temperature, column selections, difference in isocratic and gradient mode elution, types of detectors, choice of detectors, data output, data analysis, chromatographic parameter evaluation etc., to the final year under graduate student. 20 students participated in this one week phase I program. The advanced

content was delivered as a content by different instructors. At the end of the program students acquired skills were assessed based on the questionnaires and practical handling skills.

Outcomes of Training

- It provided a complete training solution and enabled the handling skills and method development, troubleshooting & maintenance.
- Conducted Training help them to understand Mobile phase preparation including gradient elution, pumps and plumbing, auto sampler injection techniques, sample preparation, calibration standards, column selection, data analysis for quantization and qualitative analysis.
- It provided an opportunity to the trainee to get expose on handling of different kinds of samples.

Topic coverage

This course provides the basic understanding of liquid chromatography (LC), and a thorough and solid knowledge of high-performance liquid chromatography (HPLC) including but not limited to the fundamentals, the principles of instrumentation, operations, the chromatographic terminologies like different modes of separation, effect of Mobile phase, pH of mobile phase, flow rate, temperature, column selections, difference in Isocratic and gradient mode elution, types of detectors, choice of detectors, data output, data analysis, chromatographic parameter evaluation etc., the decided program helps to assess the forms of analysis and the system details which will help users improve their analytical separation skills and general output, make wise choices for successful operation and troubleshooting of the HPLC system.

Registration

- ✓ Registration fee per Student: Rs.100/-
- ✓ Registration fee covers study material kit(PDF). And refreshments .
- ✓ Enrolment is on first come first serve basis. (Batch Size : 15 Nos)
- ✓ Participants are required to Contact Head of the Department to enroll their name
- ✓ Participants of the Workshop will be awarded a Certificate at the end of the event

Eligibility

- ✓ Final Year 8th Semester of JSS College of Pharmacy, Ooty

**HP LC
Instrumentation**

**Key skills
separation
mode**

Course Instructors
Dr. N. Krishnaveni,
Professor & Head / Convener

Dr. SN Meyyanathan
Professor

Mr. JSK Nagarajan
Assistant professor


Dr. M R. Jeyaprakash,
Assistant Professor / Organizing Secretary,

Dr. B.Sabu
Lecturer

**ART of
separation**

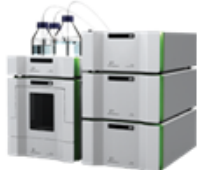
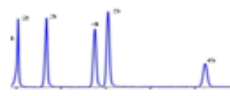
**JSS Academy of Higher Education & Research,
Mysuru**
(Accredited "A+" Grade by NAAC)

JSS College of Pharmacy
Ootacamund, The Nilgiris, Tamilnadu
(An ISO 9001:2015 Certified Institution)



**ONE WEEK HANDS ON TRAINING
PROGRAM ON "BASICS IN HPLC
METHOD DEVELOPMENT – PHASE I**

09th -15th February 2019

**Organized by
Department of Pharmaceutical Analysis**