Annexure I

TRAINING/WORKSHOP PROGRAMME 2019

M. P. Council of Science and Technology
Quality Assurance Laboratory

Vigyan Bhawan,Nehru Nagar, Bhopal (M. P.) 462003

(Name should be filled in capital letters)

Name of Training :

Name of Applicant:.....
Father's Name:.....
Mother's Name:.....
Permanent Address:.....
.....
City.....State.....
Contact Number.....Email.....
Date of Birth.....
Nationality.....Gender: Male/Female.....
Category Gen./ST/SC/OBC.....
Educational Qualification from Higher Secondary onwards:

Affix your recent passport size photograph with duly signature

S.No.	Degree with Specialization	School/College/University	Year of Passing	Grade & %

Present Status (Faculties / Research Scholar /Student/ Others)
.....
Training programme preferred……...

Declaration

I hear by declare that all above given information are correct and best to my knowledge and belief. In case of any accident (within or outside the council and laboratory), during the training program there would be no responsibility of the Council Participant would be himself or herself responsible for it and they shall not claim for this.

Date..... Signature of Candidate

Place.....

Annexure II

COURSE CONTENT

S. NO. 1: TRAINING ON "WATER AND SOIL QUALITY MONITORING METHODS"

COURSE DETAIL

This course is designed for Faculties, Research Scholars and Graduate and Post Graduate (Science) student of Madhya Pradesh to understand the detailed standard procedures related to water and soil quality analysis. The duration of course is four days comprised theoretical aspects, practical and hands on activity. A course manual of theoretical and practical method is also provided for detailed description as under:

Water and Soil testing

Sampling Methods
Sampling tools and accessories
Sampling procedures:
Physico-chemical
Microbiological examination
Trace and heavy metals evaluation
Available Nutrient test parameter and their importance in soil testing

S. NO. 2: WORKSHOP ON SPECTROSCOPIC CHARACTERIZATION OF MATERIALS: COMPONENTS, PRINCIPLE AND OPERATION

Background

Spectroscopy is the study of an interaction of radiation and matter, as related to the dependence of these processes on the wavelength of the radiation. Spectroscopic techniques have been applied in virtually all technical fields of science and technology. The spectrophotometer a workhorse of the modern laboratory is not only concerned with the identification and measurement of organic and inorganic compounds in a wide range of products and materials but also a method of choice for characterizing the material in most laboratories working for nucleic acids and proteins, foodstuffs, pharmaceuticals and fertilizers, mineral oils and in paint. In every branch of molecular biology, medicine and the life sciences, the spectrophotometer is an essential aid to both research and routine control.

The workshop and the course manual sets out to present that background for the chemist, biochemist, molecular biologist, geologist, the pathologist, the pharmacist or the metallurgist - almost any scientist whose discipline involves materials analysis - may feel more secure in his or her mastery of the mechanics of spectrophotometry with this introduction to the underlying components, principle of operation and characterization of the material. This course (03 days) is designed for Faculties, Research Scholars and Under Graduate and Post Graduate (Science) student of Madhya Pradesh. The course is comprised theoretical aspects and Practical- cum- Demonstration activity. A course manual of theoretical and practical method is also provide