

Non-Conventional Courses Cell
Course Proposal Form

I Dr. SAYANI MUKHERJEE Lecturer / Sr. Lecturer / ASSISTANT Professor in

Botany wish to conduct a short duration course details of which are as follows :

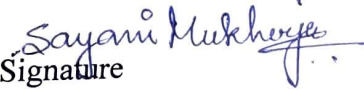
1. Name of the Course : Certificate Course on Identification and characterization
2. Duration of the Course : of 10 Days phosphatic solubilizing bacteria from different soils.
3. Tentative Dates of the Course : May - June 2018
4. Course Fee : ₹ 1000/-
5. A Brief Outline of the Course :
(Content of the Course)
 1. Isolation and screening of bacteria from different soil
 2. Determination of total viable count and growth experiment.
 3. Antimicrobial activity testing.
 4. Bacterial identification - microscopic.
 5. Bacterial culturing.
6. Faculty for the Course : 1.
(Number & Names)
 - a) -External
 - b) Internal Dr. Sayani Mukherjee
7. Venue for the Course : Botany Department.
8. Capacity / Seats 15 students.
9. Assistance required from the Non-Conventional Courses Cell
Nil.

Date : 30/01/2018.


Approved by the Principal

Principal

Dempo Charities Trust's
Dhempe College of Arts & Science,
Panaji-Goa.


Signature

Course proposal

Certificate course on identification and characterization of phosphate solubilizing bacteria from different soils.

This certificate course offers hands-on practical training programs at different levels addressing specific industries so as to sharpen the skills and techniques of students. This will give the impetus for the students to get a better job opportunity, have higher confidence level and also for zooming-in on a particular segment of interest to develop their career.

The program is offered to students undergoing program in Microbiology, Biochemistry, Biotechnology, Botany etc. In addition to the practical training the program also gives an excellent opportunity to students to use and work with latest equipments and concepts. Students perform interesting experiments in small groups as well as individually. At the end of the program, interactive session will be held to assess the training and also give appropriate counseling which acts as an eye-opener for the budding microbiologist.

Broadly the program will cover:

1. Isolation and screening of bacteria from different soil
2. Determination of total viable count and growth experiment
3. Bacterial identification – biochemical tests
4. Antibiotic susceptibility testing
5. Presentation by the student.

Course Offered:

The training will be of 10 days. Short term training programs will be imparted in the months of May and June. Each objective consists of a short lecture session and hands-on laboratory practices.

Course Title: Certificate course on identification and characterization of phosphate solubilizing bacteria from different soils.

Duration: 4 Hours (Every day 10 am- 02 pm)

Recourse Person: Dr. Sayani Mukherjee

Contact Person: Dr. Sayani Mukherjee, Assistant Professor, Department of Botany

Student Fees: Rs. 1000.00 per student.