

DBT star college Scheme

Department of Botany

Activities

1. 38 students Final B.Sc students attended a one day training program at KFRI, Peechi
2. 6 students of Final B.Sc attended 5 day job oriented training program on sea weeds.
3. 15 second year B.Sc Botany Students completed hands on training program on microbial techniques at TIES Kottayam.
4. 10 Final B.Sc students completed hands training program in Biotechnology and Microbiology at Meritt BioLabs, Palarivattom,Ernakulam

Assets Acquired

1. BioRad Gradient Thermocycler
2. Remi Cooling Centrifuge
3. Horizontal Electrophoresis unit-2
4. Microfuge
5. Magnetic stirrer
6. UV transilluminator
7. Distillation unit with temperature sensor and auto cut off.
8. Refrigerator
9. Deep Freezer

New Practical included

1. Plasmid isolation
2. Electrophoresis and visualization of nuclear material.
3. Isolation of soil bacteria.
4. Demonstration of polymerase chain reaction

Department of Chemistry

Assets Acquired

1. Fume hood (Fitted with storage space beneath the working table) 74,000 2
2. Muffle Furnace
3. Vacuum pump
4. Digital potentiometer
5. Digital Conductivity Meter with cell
6. Two digit electronic balance
7. Kipp's apparatus (Glass) with 500ml capacity
8. Water distillation unit (single)
9. Distillation Apparatus and Power Supply Temperature sensor with overheat cut off
10. Bunsen Burner 350
11. Photometer for water quality analysis
12. IR lamp 700

13. Dryer

Activities

1. Introduced new experiments for practical subjects
2. Students got training on water quality analysis using the new instruments purchased from this scheme
3. Students got training on modern instrumentation techniques at sophisticated labs
4. Pollution in the lab was reduced
5. Overall infrastructure of the lab is improved

Department of Physics

New Experiments inducted

Young's double slit experiment demonstration

Newton's law of cooling experiment

Various working models of solid state

New electronic experiments could be added to the list of experiments using CRO

Whole new bunch of microprocessor programmes using 8085 microprocessor

Demonstrations using various engines working models.

Assets acquired

Cathode ray Oscilloscope- 3

LCR meters- 2

Meldes apparatus- 3

Newton's law of cooling- 2

8085 microprocessors- 6

Young's double slit kit- 1

Sodium vapour lamp set- 3

8 Helium lamp set 2

9 Transmission grating