

# **HIGHER NITEC IN BIOTECHNOLOGY**

## **Electives (Course Specific)**

### **Tissue Culture Techniques**

On completion of the module, students should be able to apply the fundamentals of tissue culture, and to prepare culture media, as well as seeding and propagating cell cultures in a tissue culture laboratory.

### **Medical Laboratory Practice**

On completion of the module, students should be able to perform basic preparative and analytical techniques which are relevant to a medical diagnostic laboratory.

### **Essentials in Environmental Science**

On completion of the module, students should be able to perform tests on air, water and effluent waste in monitoring of environment and pollution in the manufacturing industries.

### **Introduction to Cosmetic Science**

On completion of the module, students should be able to prepare simple cosmetic products using basic formulations as well as to perform stability tests to apply the safety concept of cosmetic evaluations based on international legislations.

### **Urban Farming Laboratory Techniques**

On completion of this module, students should be able to perform quality testing on growth media (water, soil, compost, etc.) for the aquaculture and agriculture industries.