

## **Climate Control in Polyhouse (IHT-502)**

### **DURATION - 5 Days**

Greenhouse Environment

Evapotranspiration under Cover

Climatic Suitability of a Region for Protected Cultivation

Greenhouse Equipment for Climate Control

Heating of Greenhouses: Estimation of Heating Requirements. Heating Systems

Heat Distribution Networks

Cooling of Greenhouses: Natural Ventilation, Dynamic Ventilation, Fan and Pad

Evaporative Cooling System, Fog Evaporative Cooling System, Shading Systems

Climate Control Systems

Energy Saving Technologies: Thermal Screens, Windbreaks, Thermal Insulation of the Greenhouses

Emerging Technologies for Sustainable Agriculture in Greenhouses: Insect Proofs,

UV Absorbing and Anti-drop Cover Materials