

## PTC Lab Site Selection & Infrastructure Planning — Hands-on Training Program

Learn how to convert a bare space or building into a practical, contamination aware plant tissue culture facility with clear site criteria and infrastructure plans.

# PTC Lab Site Selection & Infrastructure Planning

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### Session 1

**Fee: Rs 4500** [Apply Now](#)

## Capacity, Process Flow & Site Criteria

Micropropagation process mapping and basic capacity targets

[micropropagation stages](#) [throughput estimation](#)  
[batch sizing](#)

Translating capacity into space requirements for core areas

[media room](#) [wash room](#) [culture room](#) [support zones](#)

Key site selection criteria for PTC facilities

[access and logistics](#) [power and water reliability](#)

**vibration and dust control**

Defining must have versus nice to have site attributes

**greenfield versus retrofit** **expansion potential** **budget alignment**

### **Session 2**

**Fee: Rs 6000** Apply Now

## **Evaluating Buildings & Environmental Constraints**

Walkthrough checklist for candidate buildings and rooms

**structural suitability** **floor loading** **leak and seepage checks**

Light, temperature and humidity considerations for PTC labs

**solar exposure** **ambient temperature** **local humidity patterns**

Neighbourhood risks and contamination sources

**traffic and dust** **nearby industries** **odour and pest issues**

Scoring and shortlisting sites using simple matrices

**weighting criteria** **site comparison sheets** **decision logs**

### **Session 3**

**Fee: Rs 8000** Apply Now

## **Infrastructure & Risk Planning**

Estimating utility needs from process and equipment lists

**power loads** **water quality and quantity** **drainage and exhaust**

Aligning site utilities with future PTC layout concepts

**incoming services** **equipment clusters** **expansion nodes**

Risk register for site and infrastructure issues

**contamination risks** **utility failures** **access disruptions**

Mitigation options and phasing of upgrades

**backup strategies** **phased investments** **interim workarounds**

#### **Session 4**

**Fee: Rs 10000** Apply Now

### **Mini Capstone: Site & Infrastructure Brief**

Designing a complete site evaluation and selection workflow

**concept and steps**

Compiling notes from walkthroughs, measurements and checklists

**site photos** **annotated plans** **constraint logs**

Drafting a one page PTC site and infrastructure concept

**zone wise space split** **utilities summary** **risk and mitigation snapshot**

Preparing management friendly brief and defense

**slide deck or PDF** **question and answer notes** **decision record**