



ICT FACILITIES & LEARNING SPACES

at UPES, Dehradun

UPES

A Report on Teaching Spaces, Labs, Printing, Coworking Areas & Hybrid-Learning Connectivity

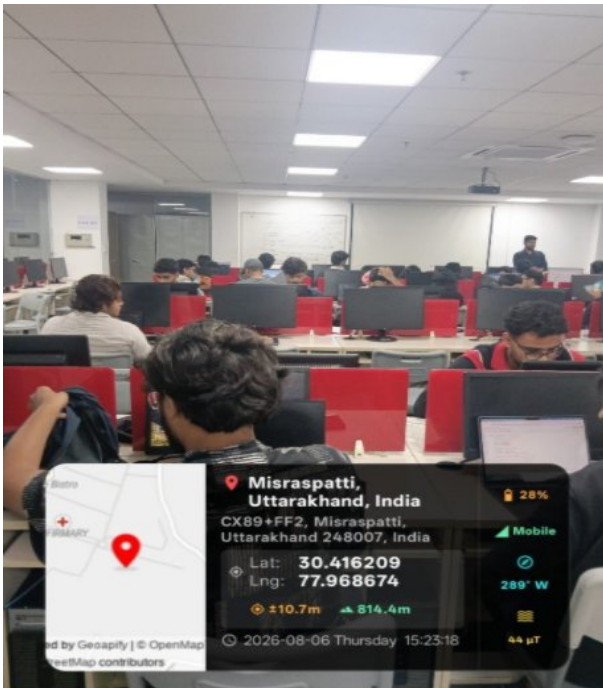
Introduction

This report outlines the key Information and Communication Technology (ICT) facilities available at UPES, Dehradun, with a specific focus on physical learning and collaboration spaces: computer-equipped classrooms, printing services, audiovisual-enabled teaching areas, specialised labs, coworking/meeting spaces, and the connectivity infrastructure that supports hybrid learning.

1. Computer-Equipped Teaching Spaces

UPES operates a large Central Computing Facility supporting academic and research work across schools.

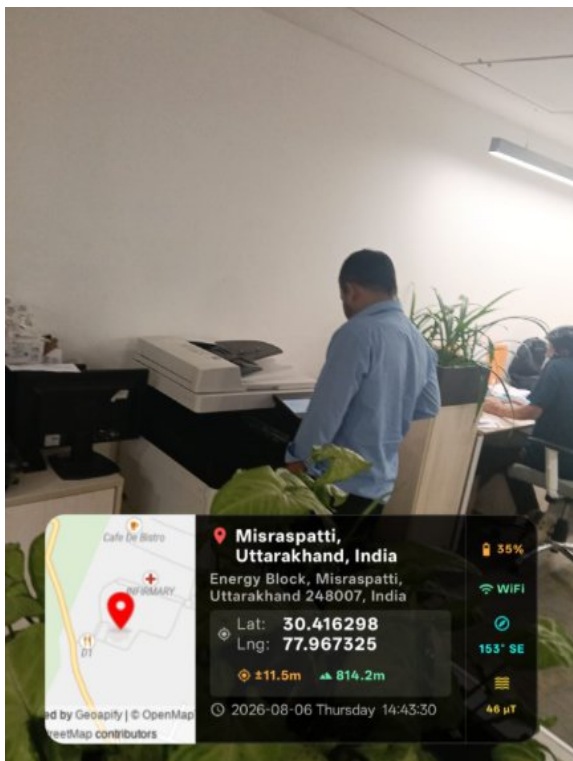
- 9,000+ networked computers across the campus, managed through approximately 70 servers
- Dedicated Central Computing Facility (e.g., a 120-PC facility at the School of Computer Science)
- Active software alliances with IBM, Oracle, Microsoft, and SAP, giving students hands-on access to industry-grade tools.



2. Printing Services

Printing and reprographic support is available primarily through the central library and campus-adjacent vendors.

- Reprographic and printing services offered at the Dr. S.J. Chopra Centre for Learning (central library)
- Photocopying and document printing for coursework, assignments, and research material
- Thesis, dissertation, and project-report printing with hard/spiral binding, commonly used by final-year and research students.



3. Teaching Spaces with Modern Audiovisual Equipment

Classrooms and larger venues across UPES are fitted with multimedia equipment to support interactive teaching.

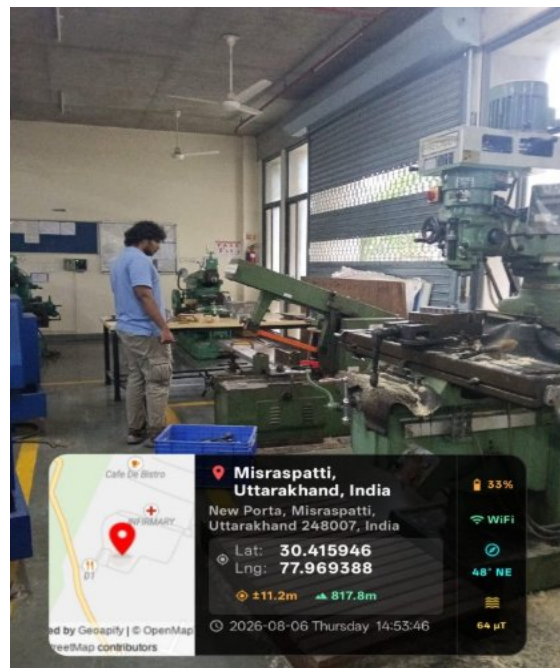
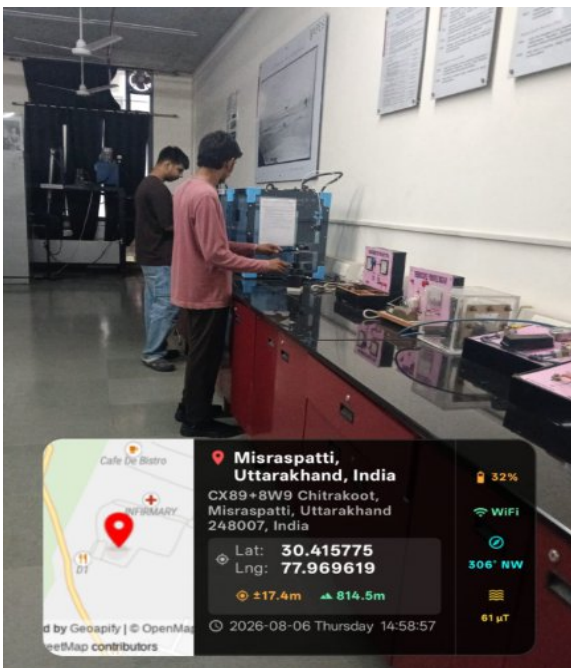
- Smart classrooms with LCD projectors, digital/interactive boards, wireless microphones and speakers
- Attendance card-reader machines integrated into classrooms for automated attendance
- A 1,200-seat auditorium with full audiovisual setup for conferences, seminars, and cultural events
- A dedicated moot court for law students with courtroom-style audiovisual arrangements.



4. Labs with Specialised Equipment

UPES maintains a range of domain-specific and research laboratories across its schools.

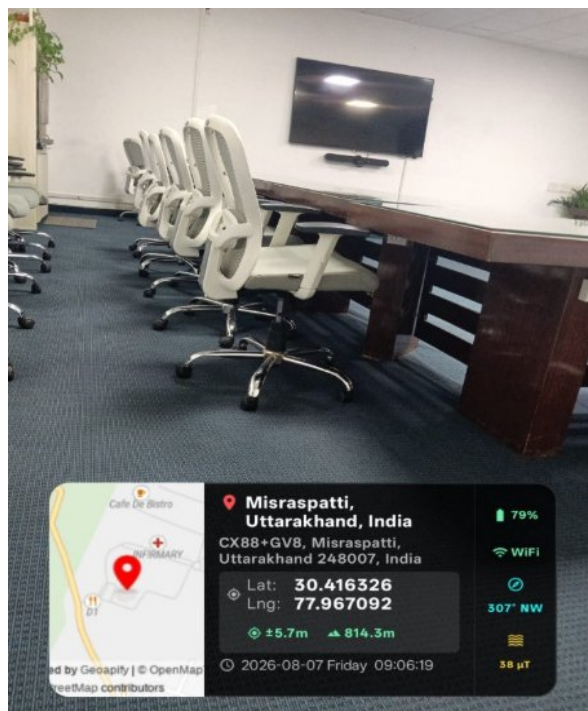
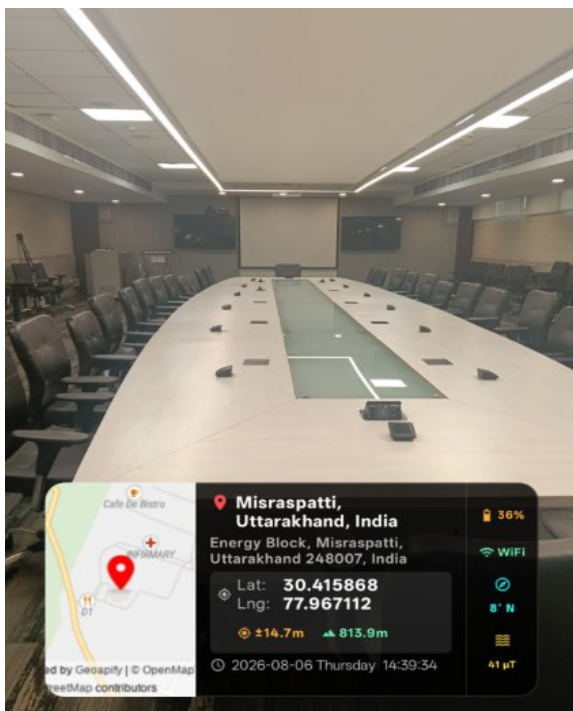
- Structure Lab, Physics Lab, Media Lab, and Advanced Manufacturing Lab
- Specialised research labs, including one for Medicinal and Aromatic Plants and another for Speech and Language research
- Dedicated Cloud Labs for cloud-computing education, supported by IBM/Oracle/Microsoft/SAP partnerships
- Engineering, design, and computing labs specific to each school.



5. Coworking and Meeting Spaces with Internet Access

Several shared spaces across campus support group work and informal collaboration, all backed by campus Wi-Fi.

- Group discussion rooms and reading rooms within the central library, part of a fully automated, Wi-Fi-enabled networking facility
- Multiple conference rooms and seminar halls for group discussions, debates, and workshops
- Hostel common areas and TV lounges with Wi-Fi for informal, collaborative use.

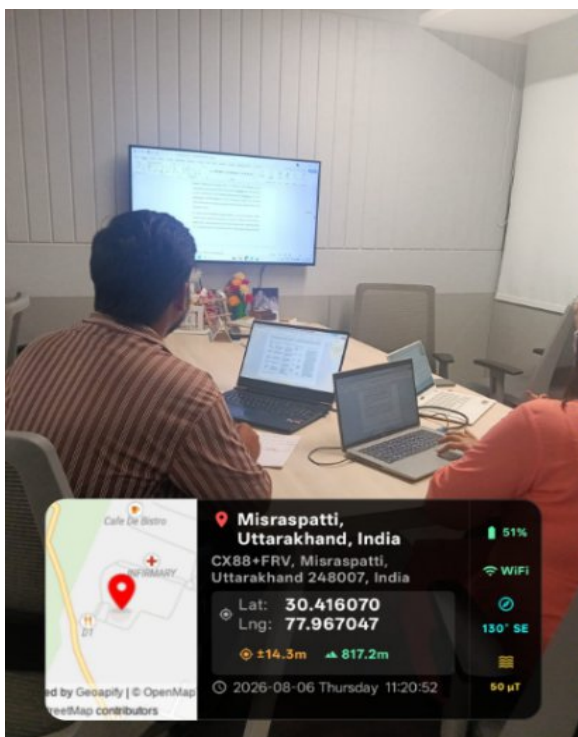


6. Connectivity for Hybrid Learning

UPES supports hybrid and remote learning through a combination of platform and infrastructure:

- Wi-Fi: Campus-wide coverage backed by a ~1 Gbps internet backbone, extending to classrooms, labs, library, and hostels
- Camera & Microphone: Wireless microphones and speaker systems in classrooms, paired with webcams/room cameras for live video sessions
- Electronic Whiteboard: Interactive digital boards used for real-time annotation, visible to both in-room and remote students
- Platform: Blackboard Learn combined with Blackboard Collaborate for live sessions, breakout rooms, audio/video sharing, and session recording

This combination allowed UPES to shift 100% of its classes online within a single week during 2020 lockdown and continues to underpin its blended/hybrid teaching model today.



Summary

Together, these facilities — computer labs backed by major software alliances, accessible printing services, AV-equipped classrooms and auditoriums, specialised research labs, Wi-Fi-enabled coworking spaces, and a robust hybrid-learning setup — form a well-rounded ICT and learning-space ecosystem that supports both in-person and remote academic activity at UPES.