4
Ways Z Desktop Workstations Enable Educators to Revitalize Learning

Online education is a booming market in India, with an estimated growth of $11.6 billion by 2026[1].

The imperative is now for educators to re-examine how technologies such as video-assisted remote learning and AI, VR-enabled immersive learning empower them to meet changing student needs while streamlining pedagogical workflows.

Here are **4 ways** HP's Z Desktop Workstations enable teachers and educational institutions to transform the future of learning.

01 Streamlining remote student-teacher collaboration

Challenge
How to **enable students in need of computing-intensive tools** such as Maya, After Effects, and Cinema 4D to continue learning and collaborating with teachers in a remote learning scenario?

Solution
Remote collaboration that enables students and teachers to access and operate **high-performance software in real-time.**

Z Desktop Workstations enable...

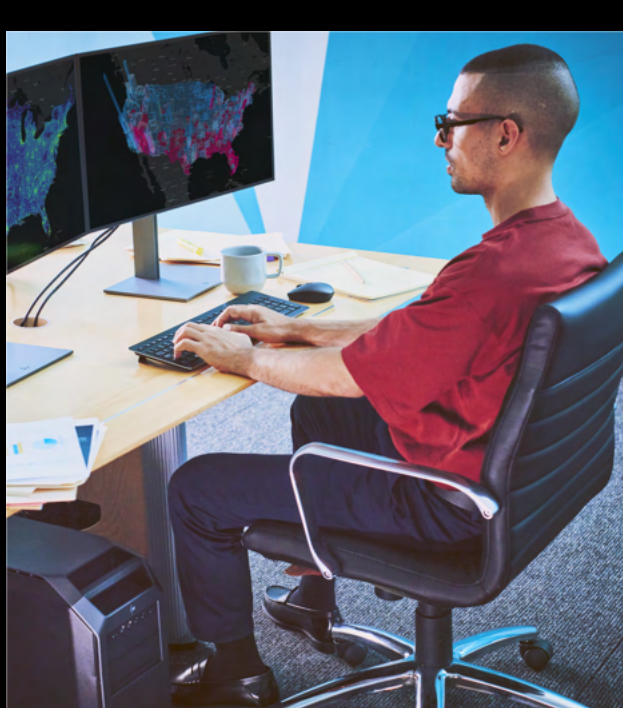Extreme computing performance anywhere, anytime based on student needs.

ZCentral Remote Boost connects students to the power of a workstation from any endpoint device of their choice, freeing them from on-campus constraints. In addition, ZCentral Connect enables teachers to **allocate, monitor, and optimize workstation use** while managing students and projects **in real-time.**

Case Study:
Seamlessly transitioning to remote learning with high-performance computing power on demand[2]

When classes moved online in the wake of the pandemic, Sheridan College's Faculty of Animation, Arts & Design enabled students to continue learning seamlessly by providing remote access to high-performing workstations on campus through ZCentral Remote Boost.

This ensured an uninterrupted learning experience as students could access workstation power for computing-intensive program needs while easily connecting with teachers for real-time discussion and feedback.
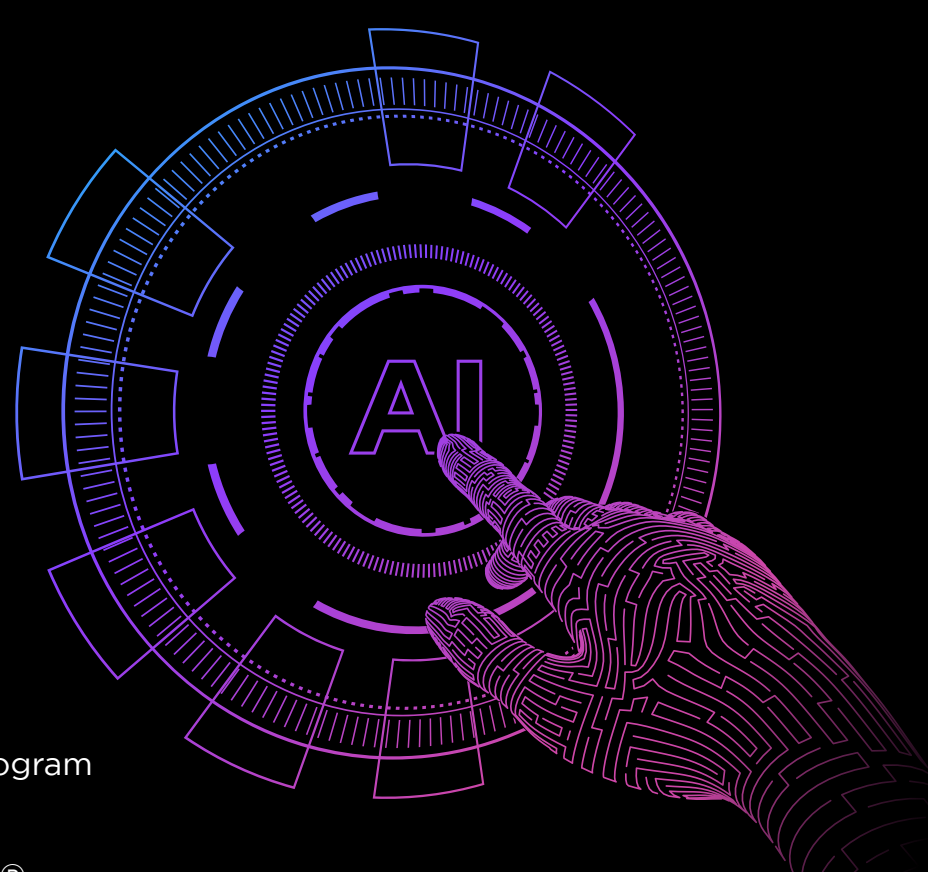
02 Updating and aligning courses to student needs

Challenge
How to **rapidly review, refresh, and implement course materials** to meet changing student demand?

Solution
Data analytics and AI that drives insights into student demand shifts to inform program changes and delivery.

Z Desktop Workstations enable...

Deployment of data analytics and AI tools right out of the box to discover patterns in program uptake and predict upcoming course demand based on broader industry trends.

Z Desktop Workstations come packed with NVIDIA RTX™ professional graphics and Intel® processors to **accelerate data science workflows.** In addition, Windows Subsystem for Linux (WSL 2) gives data science practitioners all the development advantages of Linux and Ubuntu on a native Windows OS **without the need to dual-boot or maintain multiple systems.**

03 Preventing student data breaches and misuse

Challenge
How to **secure student data** to raise confidence in incorporating edtech solutions into educational procedures?

Solution
Enterprise-grade cybersecurity that protects sensitive student data from both current and emerging threats.

Z Desktop Workstations enable...

The confidence and peace of mind to focus on driving education programs in the digital space.

Z Desktop Workstations come empowered with **HP Wolf Security for Business,** offering multi-layered security below, in, and above the OS. Self-healing firmware, in-memory breach detection, and threat containment via isolation fortifies education institutions' first line of defense against cyberattacks.

04 Creating engaging new learning experiences

Challenge
How to revamp teaching methods to **create immersive learning experiences** for current digitally-savvy students?

Solution
VR and 3D technologies that create borderless learning spaces and enhance teaching, especially for complex technical subjects such as animation, coding, and data science.

Z Desktop Workstations enable...

Immersive classroom experiences that foster student-teacher interaction regardless of location and enrich learning with VR-assisted delivery of complex concepts.

Packed with powerful NVIDIA graphics and Intel processors to handle the most demanding data science workflows with ease, Z Desktop Workstations are **designed to accelerate VR and 3D applications** that augment traditional teaching methods for an enhanced learning experience.

The need of the hour is reinventing teaching and learning methods in order to create the digital-ready talent India needs to lead the world's economies.

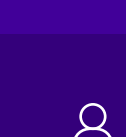To seize the huge growth opportunities in education, teachers and institutions must:

Capitalize
on technological advances to democratize and enhance the learning experience

Keep pace
with students' changing pedagogical needs

Protect
students' personal data in the virtual space

Z Desktop Workstations bring cutting-edge computing horsepower and software suites to empower educators to optimize learning outcomes through new and emerging edtech.

HP Z1 G9 Tower
Processor: Intel Core i7-12700 2.10G 25MB 12 cores 65W
Memory: 32 GB
Storage: 1 TB SSD
Graphics: NVIDIA T1000 – 8 GB
Operating System: Windows 11 Pro or Windows 10 Pro

Nurture today's students into tomorrow's tech-powered leaders with Z Desktop Workstations.

Remove barriers to brilliance with Z Desktop Workstations

EXPLORE NOW

Exceptional performance with Intel® Xeon® and Intel® Core™ i9

Sources:
1. Trends And Challenges That Will Define India's Education Sector In 2022
2. Sheridan College seamlessly transitions power users to remote access