



# Technology brings hope and inspiration to a remote region

A higher education and innovation leader in the Philippines builds its future and advances national unity on a Smart Campus.



## Business needs

Mindanao State University is building a Smart Campus on a Dell Technologies foundation to enable innovative research and education while fostering hope and inspiration in the region. A highly efficient and sustainable technology environment will also streamline IT management and help keep students and faculty safe.

## Innovations



Delivers world-class education as a beacon of hope and inspiration.



Offers a blueprint for sustainability and continuous innovation in higher education.



Empowers students, researchers, and faculty to achieve outstanding educational and research outcomes.

## Outcomes



Enables remote, anytime, anywhere learning and research.



Provides a smart, safe and manageable campus environment for the growing student body.



Brings sustainability and simplicity to campus planning and expansion management.



**Dell Technologies is a reliable technology provider that can innovate and improve technology across a broad spectrum and help us realize our transformative ideas and ambitions."**

**Atty. Basari Dimakuta Mapupuno,**  
President, Mindanao State University

Mindanao State University (MSU) in Marawi, Philippines, spearheads innovation with world-class higher education and groundbreaking research. By revolutionizing higher education, MSU promotes national unity with a hopeful vision, moving on from a period of civil unrest that ended in 2017.

These goals gave MSU an opportunity to boost academic excellence and create a sustainable, digitally powered Smart Campus. To start, the university had to modernize its IT systems and deliver computing solutions and applications to its students and faculty.

MSU relies on Dell Technologies solutions and collaborates with partner LDLA Marketing and Trading to advance its Smart Campus transformation. Atty. Basari Dimakuta Mapupuno, President of Mindanao State University says, "Dell Technologies is a reliable technology provider that can innovate and improve technology across a broad spectrum and help us realize our transformative ideas and ambitions."

## Empowering students and instructors

Students, faculty and staff within a three-hour travel distance from campus receive Dell Latitude laptops preconfigured with their applications and access privileges. Atty. Mapupuno comments, "As the foundation of education, innovative technology helps us rapidly accomplish our objectives in a sustainable manner as we power anytime, anywhere learning and bring hope and inspiration to students and staff."

MSU created a virtual desktop infrastructure (VDI) managed with VMware Workspace ONE. Latitude users can now securely access MSU's digital resources in a modern data center with Dell server, storage, hyperconverged infrastructure (HCI) and networking solutions. Rommel Asibal, IT Officer at Mindanao State University, says, "Dell Technologies provides thousands of opportunities to our students by delivering fast, reliable solutions and networking. It's like night and day compared to what we used to have. I now have more time to spend on data analytics and finding ways to attract additional students without driving up costs."

## Streamlining management and strengthening security

Working together with the Dell Global Digital Cities team using the Smart Campus Transformational framework, MSU is deploying a Smart Campus with a Smart Building as the central



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hub for all its management activities and technologies, including security monitoring systems. Single-screen administration, campuswide data collection and advanced analytics will help safeguard the community's health and security, respond to emergencies and manage facilities. "On MSU's Smart Campus, students and professors can become the innovators and problem solvers of the future," says Atty. Mapupuno.

Once commissioned, the Smart Campus platform will set the foundation for MSU toward eventually creating a Campus Digital Twin. "The digital infrastructure provided by Dell Technologies is the foundation for a bright future for MSU," Atty. Mapupuno says. "With a Campus Digital Twin, more services can be enabled to drive academic research and teaching, create new revenue sources, improve resource optimization and advance sustainability as we join the ranks of the region's best research universities." And Mr. Asibal concludes, "Five years from now, the sky's the limit when it comes to empowering students and faculty and delivering world-class higher education on our Smart Campus."

[Read More](#) to see how MSU is building its Smart Campus.

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