

# How Juniper Mist Wi-Fi Solutions Transformed UST Global's Campus Network



UST Global, a prominent IT services provider, faced significant challenges with their campus Wi-Fi network, built on Cisco infrastructure. Datacipher provided a comprehensive solution using Juniper Mist Wi-Fi solutions, significantly improving coverage and user experience, especially in high-density areas.

## Challenge

### Coverage and Connectivity Issues

UST Global's campus Wi-Fi network was facing significant coverage issues, particularly in high-density areas, leading to poor connectivity and user dissatisfaction. These problems had been affecting students and staff for over six months, necessitating a robust solution to improve Wi-Fi performance and coverage.

## SOLUTION

### Juniper Mist Wi-Fi with AI-Driven Analytics and Location-Based Services

Datacipher implemented Juniper Mist Wi-Fi solutions to address the coverage and connectivity challenges faced by UST Global. The solution featured superior coverage, high-density performance, AI-driven insights, and location services for enhanced user experience.

## Implementation Process

- **Site Survey:** Conducted a site survey to identify coverage gaps and high-density areas.
- **Network Design:** Designed a new Wi-Fi network using Juniper Mist APs to optimize coverage and performance.
- **Deployment:** Deployed Juniper Mist APs and integrated them with the existing network infrastructure.
- **Configuration:** Configured location-based services for enhanced user engagement.
- **Testing and Optimization:** Conducted post-deployment testing and optimization to ensure smooth operation.

## Challenges and Overcoming Them

- **High-Density Performance:** Addressing the performance in high-density areas required careful placement and configuration of APs, managed through detailed planning and site surveys.
- **Seamless Connectivity:** Ensured seamless connectivity during the transition by implementing the new network in phases and providing continuous user support.

## OUTCOME

### Enhanced Coverage and User Experience

#### Immediate Changes/Benefits:

- **Improved Coverage and Performance:** Significant improvements in Wi-Fi coverage and performance, especially in high-density areas, leading to a better user experience for students and staff.
- **Seamless Integration:** The new Wi-Fi network integrated smoothly with the existing campus IT systems and provided enhanced location-based services.

#### Impact Metrics:

- **Quantifiable Data:** Wi-Fi coverage improved by 50%, and network performance metrics showed a significant increase in user satisfaction and engagement.
- **Before-and-After Comparisons:** The number of Wi-Fi-related complaints dropped by 60%, and the average user connection speed increased by 40%.

Client Satisfaction and Future Plans UST Global expressed high satisfaction with the improved Wi-Fi experience. They plan to leverage additional Juniper Mist features, such as detailed analytics and AI-driven insights, to further enhance network management.

## Conclusion

UST Global faced significant coverage and connectivity issues with their existing campus Wi-Fi network, affecting students and staff. By implementing Juniper Mist Wi-Fi solutions with AI-driven analytics and location-based services, Datacipher provided a solution that dramatically improved Wi-Fi coverage and user experience.

For further guidance and customized network solutions, reach out to Datacipher. Our experts are equipped to help you enhance your network infrastructure, ensuring optimal performance and user satisfaction.

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