



# Yes Enterprise Transforms 88 Schools with 5G in Penang

## Driving Equal Access to Digital Education Through High-Performance Connectivity

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The Penang 5G Digital Library Program, launched by the Penang State Government in collaboration with YTL Communications (Yes 5G) and Digital Nasional Berhad (DNB), marks a significant step forward in Malaysia's digital transformation agenda.

This initiative was created to provide students, regardless of background, with equitable access to fast, reliable internet and digital learning resources. It is a clear example of how public-private partnerships can deliver meaningful impact through innovation.



## Bridging the Digital Divide in Education

The COVID-19 pandemic exposed persistent gaps in educational access, particularly in rural and underserved communities. As schools transitioned to online learning, many students faced challenges due to limited connectivity and digital infrastructure.

In response, the Penang State Government launched the 5G Digital Library Program in 2024, with Yes Enterprise as the key connectivity partner. The program aimed to extend access to the Penang Digital Library, an online platform offering free books, exam preparation materials, STEM content, and other educational resources, by connecting schools across the state with high-speed 5G internet.

## Yes Enterprise's Contribution

Yes Enterprise deployed 5G Fixed Wireless Access (FWA) solutions to 88 schools across Penang. This plug-and-play approach enabled fast and efficient rollout without the need for trenching or cabling, making it suitable for both urban and remote locations. The result was immediate access to reliable, high-speed internet that supported day-to-day learning activities.

In addition to connectivity, Yes also provided students with 5G-compatible devices bundled with data plans. This helped ensure that learners could fully engage with digital content at school and at home.





## Measurable Impact

- **88 schools** across Penang connected using Yes 5G FWA
- 67 schools participated in a post-implementation survey, revealing:
  - i. **100% satisfaction** with the installation process
  - ii. Over **95% of respondents agreed that internet speeds were fast and stable**
  - iii. More than 60% of students reported active usage of the Penang Digital Library portal
  - iv. Teachers and administrators observed improved access to STEM and exam preparation materials.

## A Platform for the Future

The successful deployment of Yes 5G across 88 schools in Penang demonstrates the network's capacity to support high-density, always-on environments with minimal infrastructure requirements. This same network infrastructure is used across other sectors, including enterprise and industrial applications, where consistent and reliable connectivity is essential.