

Majuba TVET College and SABEN Connectivity- Driven Digital Transformation Success Story

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Where Our Journey Began

Before SABEN

- ICT Department formally established in 2018
- Multiple College sites requiring centralised support
- Microwave connectivity
- Only 30–50 Mbps per site
- Growing demand for cloud and connected services



The SABEN Intervention

From limitation to enablement

Before SABEN	With SABEN
Microwave	Fibre
30-50 Mbps/site	200 Mbps/site
Capacity constraints	Stable, scalable platform
Connectivity as a barrier	Connectivity as an enabler





What Connectivity Made Possible

A modern, integrated ICT environment

- Expanded cloud-based solutions
- Centralised systems administration
- Remote support across College sites
- Voice over Internet Protocol
- IP surveillance cameras
- Facial recognition technology
- Improved communication and security





A Shift in Institutional Thinking

Before fiber

“Can our network support this project?”

After fiber

“How can this technology advance the College?”

Impact

- Greater confidence in technology investments
- Centralized management
- Faster remote support
- Reduced operational risk
- A unified multi-campus environment



A background graphic on the left side of the slide featuring a network of white nodes connected by thin white lines, set against a dark blue gradient. The nodes vary in size and brightness, with some appearing as bright white dots and others as smaller, dimmer circles. The lines form a complex web-like structure.

More Than a Connectivity Provider

A responsive and collaborative partnership

- Effective ticketing system
- Live incident updates
- After-hours technical assistance
- Transparent communication
- Collaborative firewall management
- Alignment with College policies and security needs



The Next Phase: Capacity and Resilience

Emerging requirements

500 Mbps

Minimum bandwidth now required per site

Secondary link

Redundancy and business continuity

Why?

- More cloud services
- More connected devices
- Growing user demand
- Data-intensive applications
- Increasing dependence on online systems



Recommendations and Closing Message

The way forward

- Formal recognition of SABEN as a primary TVET connectivity solution
- Closer collaboration with DHET and National Treasury
- Regular institutional bandwidth reviews
- Secondary connectivity for resilience
- Continued responsive and collaborative support



The End

Q & A



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