

Opportunities, Challenges and Threats Emerging at FNU

Sanjay Singh

Chief Systems/ Server Administrator
Division of ICT | Fiji National University

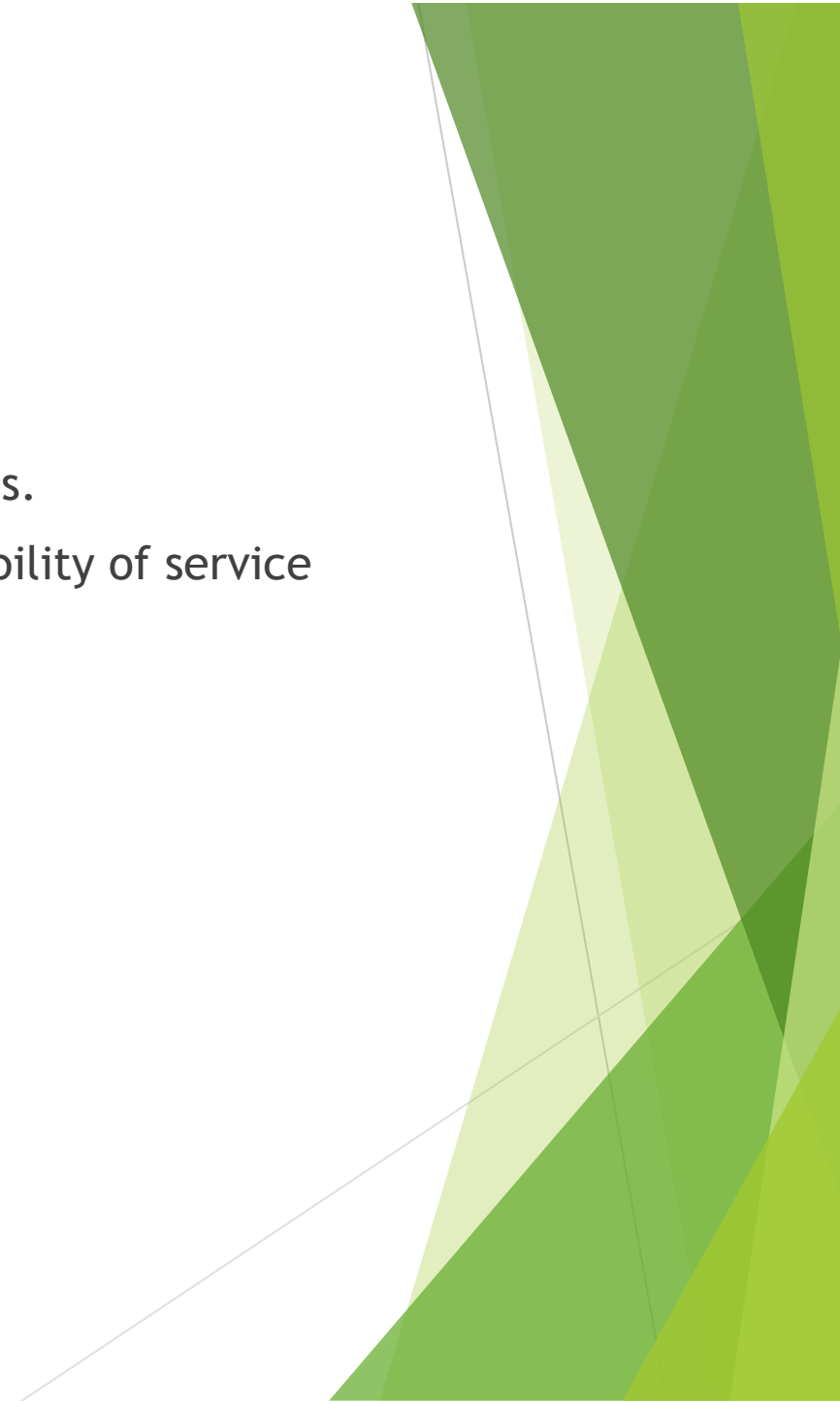
Background of Network Connectivity

- ▶ FNU formed as a merger of mostly government funded six different tertiary education institute.
- ▶ Resource Sharing and Centralized management
- ▶ 28 sites interconnected through WAN.



Internet Services

- ▶ Student Services - Mostly for research including diverse fields.
- ▶ Value Added Service for staff - Research purpose and accessibility of service from home.
- ▶ AARNet for Research Purpose



WiFi Accessibility and Security

- ▶ Current
 - ▶ BYOD and smart devices with vulnerabilities
 - ▶ NPS Authentications
 - ▶ Security policy for guest devices
- ▶ Project
 - ▶ NPS Policy Server with Health Check
 - ▶ Controller based access points



Application Data

- ▶ 6 major locations of Data
- ▶ Daily Offsite Backup Requirements
- ▶ Challenge: Bandwidth, Emerging security threats including Ransomware attacks



VOIP/ Video Solution

- ▶ Intercampus Network
- ▶ Real time live lectures between Campuses
- ▶ Meetings



Closing Remarks

- ▶ One of the largest consumers of the Internet from Fiji
- ▶ Concern on corporate pricing vs consumer pricing

