Royal University of Bhutan

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Bhutan

- Bordering with China and India
- Constitutional monarchy
- Population of 700,000
- Development philosophy of GNH
Royal University of Bhutan

- Established in June 2003 through the Royal Charter
- Distributed University
- A central coordinating office and 10 constituent colleges
- 9000+ students
- 900+ staff
Members of the University

Coordinating Office

- OVC
- CLCS
- GCIT
- SC
- YC
- JNEC
- SCE
- CST
- GCBS
- CNR
- PCE
Eduroam & Bhutan

Eduroam

• Started in the Year 2016
• Project funded by TEIN
• One NRO and 4 IRS (Member Colleges)
• NRO at Office of the Vice Chancellor
• IRS at Sherubtse College
• IRS at Jigme Namgyal Engineering College
• IRS at Paro College of Education and OVC
• https://eduroam.rub.edu.bt
Eduroam Establishment
Identity Management at RUB

- No proper identity management available
- Different systems/services has different username and password
- There are no regulation for availing any educational services within the Campus except for the email.
- Existing wireless system uses WEP – almost all Colleges
- Centralized Authentication System at Three Colleges for only accessing Internet.
- OVC is using eduroam - very limited basis
Challenges

❖ Lack of knowledge / experience - identity management
❖ Equipment compatibility issues – For e.g: Dumb switches and wireless access point
❖ Human Resource Development for both configurations and user level required
❖ Users awareness needs to be created
❖ ICT acceptable use policy – not available
❖ No segregation based on the authorized users – Administration, Authorization and Authentication
❖ Issue on the sufficient Internet Bandwidth at the Colleges / Host
Future Plan

- NREN will be available connecting all the Colleges and others
- Proper and approved identity for all staff and students with single authentication system
- Distributed delivery of services through eduroam within Royal University of Bhutan
- Availability of eduroam for other colleges (Consistency)
- Proposal for three more colleges (CST, SCE and CLCS)
- Issue eduroam username and password to one Ministry (MoIC - DITT) – which ICT policy to apply?
Thank You