

Cybersecurity in Context of Nepal

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Nepal:country background

- Nepal ,a land locked country, is situated in South Asia.
- Population : 23.2 millions,
Female :11.62 millions,
Male : 11.58 milliOns
- More than twenty ethnic languages are spoken

ICT in Nepal

- Information Communication Technology is quite new sector for Nepal.
- Vision of Government IT policy (2000) is "To place Nepal on the Global map of Information Technology within the next five years "

Government public and private sectors participate

- to produce skilled and graduate manpower
- To accelerate ICT services



Infrastructure

- Optical fiber is laid out in different parts of the country
- Network appropriate for computer communications is coming up.



Obstacles/Challenges in Cybersecurity

- Debilitating disruption of operation of the information system
- Spam mails
- Online Frauds
- Sniffing of Passwords etc



Security Initiatives

- Introduction of cyber law
E-Transaction act of Nepal(2004)
- Formulation of IT policy



E-Transaction act (2004) has the Provisions relating to

- Electronic Record and Digital Signature
- Attribution, Acknowledgement and dispatch of Electronic Records
- Controller and Certifying Authority

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- Digital Signature and Certificates
 - Functions, Duties and Rights of Subscriber
 - Electronic Record and Government use of Digital Signature

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- Network Services
 - Offence Relating to Computer
 - Cyber Tribunal
 - Cyber Regulations Appellate Tribunal



Offence Relating to Computer

- Tampering with Computer source document
- Unauthorized Access in Computer Materials
- Damaging any Computer or Information System
- Publication of illegal materials in electronic form
- Privacy Leak

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- Dissemination of False Information
 - Submission or Display of False Licence or Certificates
 - Non-submission of Prescribed Statements or Documents
 - Publishing with Purpose of Forgery

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- Abetment to Commit the offence
Relating to computer
 - Punishment to Accomplice
 - Punishment in an offence committed
living outside the kingdom of Nepal
 - Offences Committed by Organized
Institutions



Punishments

- Imprisonments from six months to Five
years, fine from Rs fifty thousands to Rs
two hundred thousands, or with both
depending upon different offences



Thank you