



Blockchain use cases

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Important properties and definitions

- Integrity - assuring the completeness and accuracy of data
- Authenticity - guaranteeing that a communication partner (a person or an IT component or application) is who he claims to be
- Availability - of services, applications, data - that users can always use them as intended
- Confidentiality - protection against unauthorised disclosure of information
- Anonymity - data or actions of the entity cannot be linked

Some Projects and Examples

- Completeness (E.g. System design – display temperature of a city – wait for all sensors' data, or min. k out of n sensors, or any one sensor, or sending previous result)
- Authenticity (E.g. Dog and monkey at other end of Internet??)
- Availability (E.g. Result Website crashing, internet during early days, email and VSAT at SVNIT)
- Complex system design (E.g. JOSAA admission portal)
- Anonymity (E.g. can you relate bitcoin (transaction) address to someone?) – home assignment!!