SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107

An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A' Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

COURSE NAME: 19OE201-Blockchain Technology

IV YEAR /VII SEMESTER

Unit 5- Blockchain Applications
Case study : e-Goverance-Government Use cases

e-Goverance – usecases

Record Management

- National, state, and local governments are responsible for maintaining individuals' records such as birth and death dates, marital status, or property transfers.

- Traditionally some of these records only exist in paper form.

- And sometimes, citizens have to physically go to their local government offices to make changes, which is time-consuming, unnecessary, and frustrating.

- Blockchain technology could simplify this recordkeeping and make the data far more secure.

e-Goverance – usecases

Identity Management

- Proponents of blockchain tech for identity management claim that with enough information on the blockchain, people would only need to provide the bare minimum (date of birth, for example) to prove their identities.

e-Goverance – usecases

Voting

- Blockchain technology has the ability to make the voting process more easily accessible while improving security.

- Hackers would be no match to blockchain technology, because even if someone were to access the terminal, they wouldn't be able to affect other nodes.

- Each vote would be attributed to one ID, and with the ability to create a fake ID being impossible, government officials could tally votes more efficiently and effectively.

e-Goverance – usecases

Taxes

- Blockchain tech could make the cumbersome process of filing taxes, which is prone to human error, much more efficient with enough information stored on the blockchain.

Non-Profit Agencies

• Blockchain could solve the anti-trust problems charities are increasingly facing through greater transparency.

• The technology has the ability to show donors that NPOs are in fact using their money as intended.

• Blockchain tech could help those NPOs tribute those funds more efficiently, manage their resources better, and enhance their tracking capabilities.

Compliance/Regulatory Oversight

- The majority of regulatory oversight stems from recordkeeping, but the consequences of not maintaining records is inarguably much worse.

- Thus, compliance is non-negotiable for companies.

- Blockchain can make record updates available to regulators and businesses in real time, in turn reducing time lags and allowing red flags and inconsistencies to be spotted sooner.