



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 : Blockchain in Walmart



Walmart benefits

Data capture and integrity:

- A distributed repository increases trust and transparency by sharing information and automating workflows and calculations to minimize manual effort and increase accuracy.

System efficiency:

- Improved collective resource utilization , including quicker responses, improved tracking and tracing and early problem detection.

Faster transaction time:

- Real-time consolidation of all business rules and transactions to create a single invoice reduces wait times and speeds up payments.



Walmart benefits

- Eliminates disputes: All participants can now effectively manage the complex shipment, invoice, payment and settlement process.
- Reduces costs: Increased efficiency reduces all parties' enterprise technology and administration costs.
- Better budgeting and planning: Accurate, real-time data can now be used for enhanced analytics and predictive modelling.



Walmart Canada Uses Blockchain



- Walmart has long been known as a leader in supply chain management.
- However, its prowess could not insulate it from a problem plaguing the transportation industry for decades:
 - vast data discrepancies in the invoice and payment process for freight carriers, which required costly reconciliation efforts and caused long payment delays.
- Then Walmart Canada pioneered a solution: It employed blockchain, a distributed-ledger technology, to create an automated system for managing invoices from and payments to its 70 third-party freight carriers.



India



- Walmart is committed to a future where retail in India is a mix of shopping experiences that best serve Indian consumers, suppliers, producers, and retailers.
- We are building out a holistic ecosystem that includes a wholesale cash-and-carry business, eCommerce platforms, a payments and financial services platform, as well as logistics and supply chain capabilities – strong local businesses that are powered by Walmart.