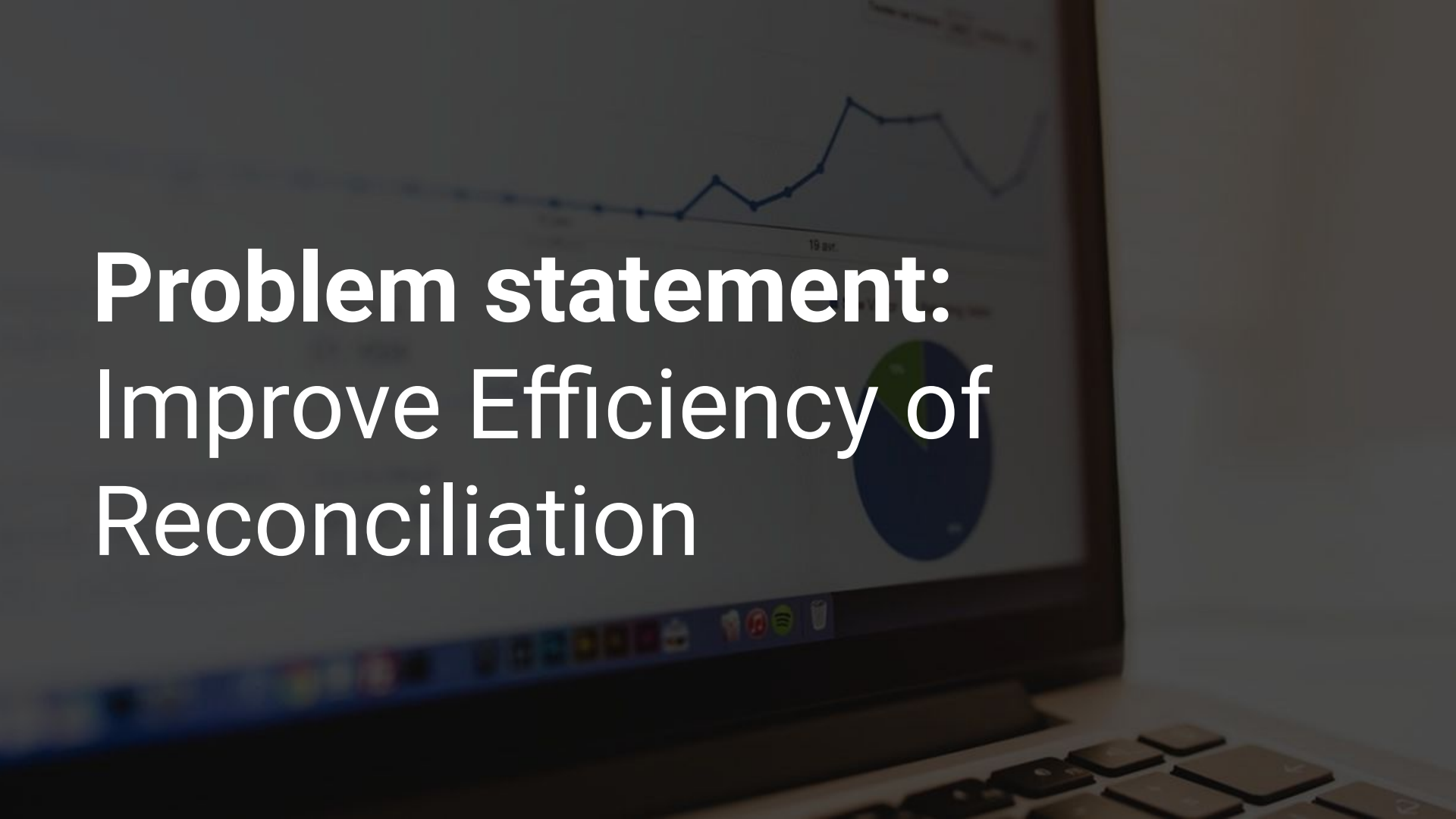


The background of the slide is a close-up, high-angle shot of an Alienware laptop keyboard. The keys are black with red backlighting, and the 'ALIENWARE' logo is visible in red on the upper right part of the keyboard area.

# TEAM AUTUMN

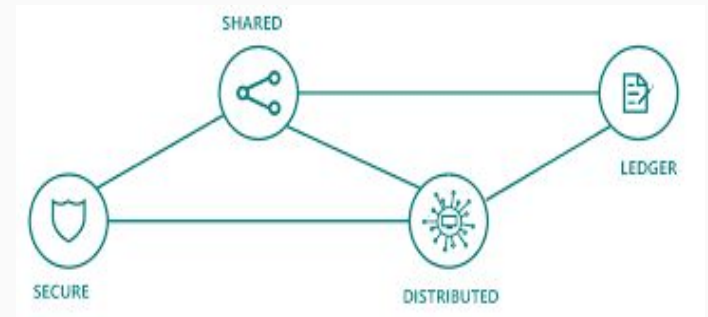
Team members: Pranav Mathur  
Prakamya Mishra  
Raghav Kirpekar  
C.V. Hariharan

The background image shows a laptop screen with a dark overlay. On the screen, there is a line graph with a blue line showing fluctuations over time, and a pie chart with green and blue segments. The text 'Problem statement: Improve Efficiency of Reconciliation' is written in white, bold, sans-serif font across the center of the screen. The laptop keyboard is visible at the bottom right.

# **Problem statement:** Improve Efficiency of Reconciliation

# The problem

- Communicating using XML messages poses the threat of data loss, data corruption.
- Results in data inconsistencies among the applications.
- Revenue losses for the enterprise.



**It is decentralized**

**It is durable**

It is **robust**

**It is transparent**

It is **incorruptible**

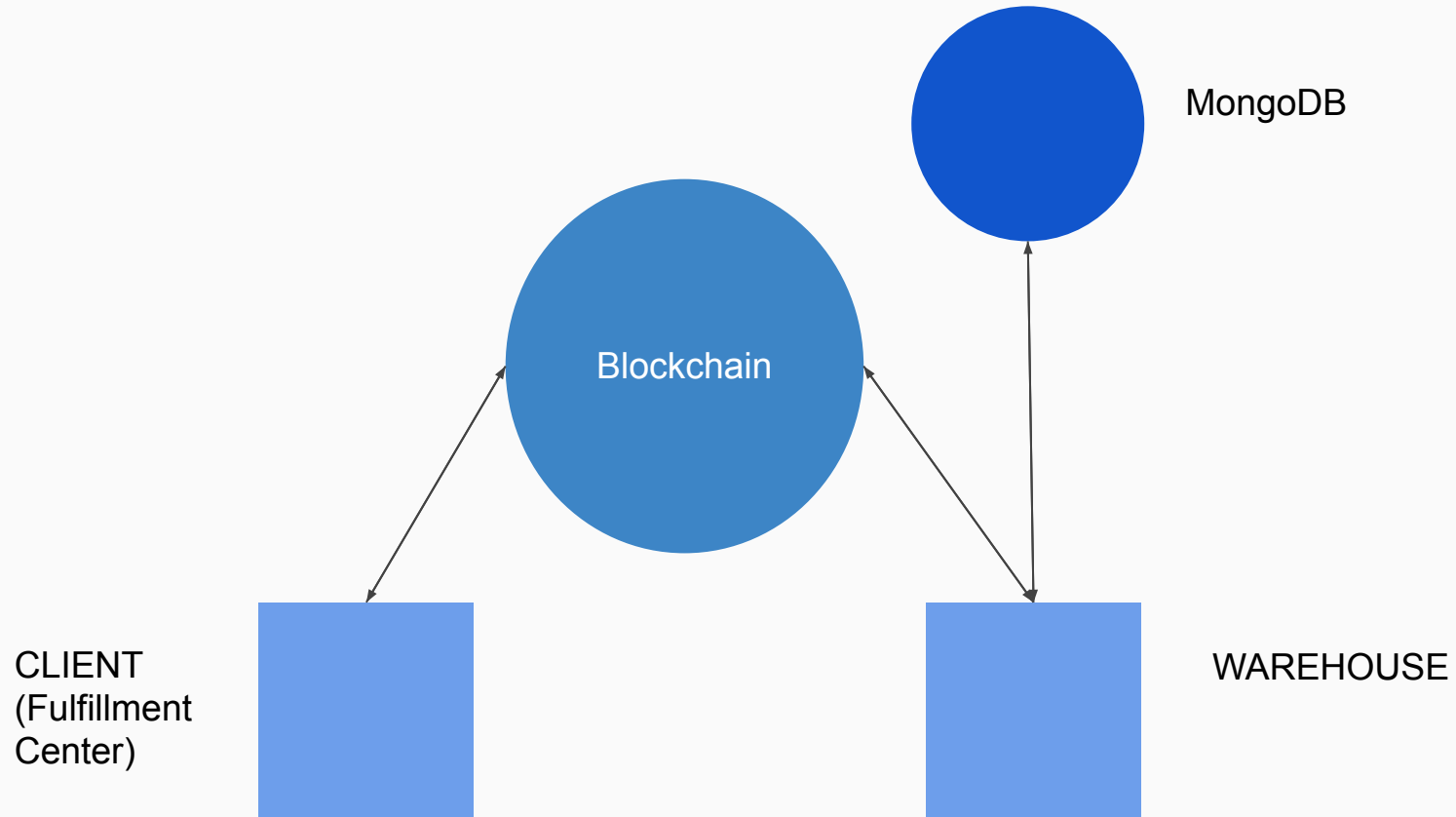




# Blockchain

Technology with enhanced  
Security

# Architecture



# Blockchain Workflow

User Login

Public/Private key  
encrypted.

User places an order

The order reaches the  
warehouse as a  
non-fungible token.

User gets the product

User get non-fungible  
tokens in return.

# Warehouse Interface

- Three different tabs
  - **Transactions:** Shows the recent transactions.
  - **Product:** Shows the available products in the warehouse and related statistics.
  - **Add Product:** Allows the admin to add a new product to the inventory.
- Export to .csv file as an additional feature.

# Future Prospects

- Implementing Elasticsearch.
- Data analysis.
- Sending notifications to clients upon successfully placing orders.
- Can be scaled for multiple firms.
- Using IPFS for media storage.