

# REGISTERS IN MODERN SYSTEMS AND SMART DIGITAL CITIES

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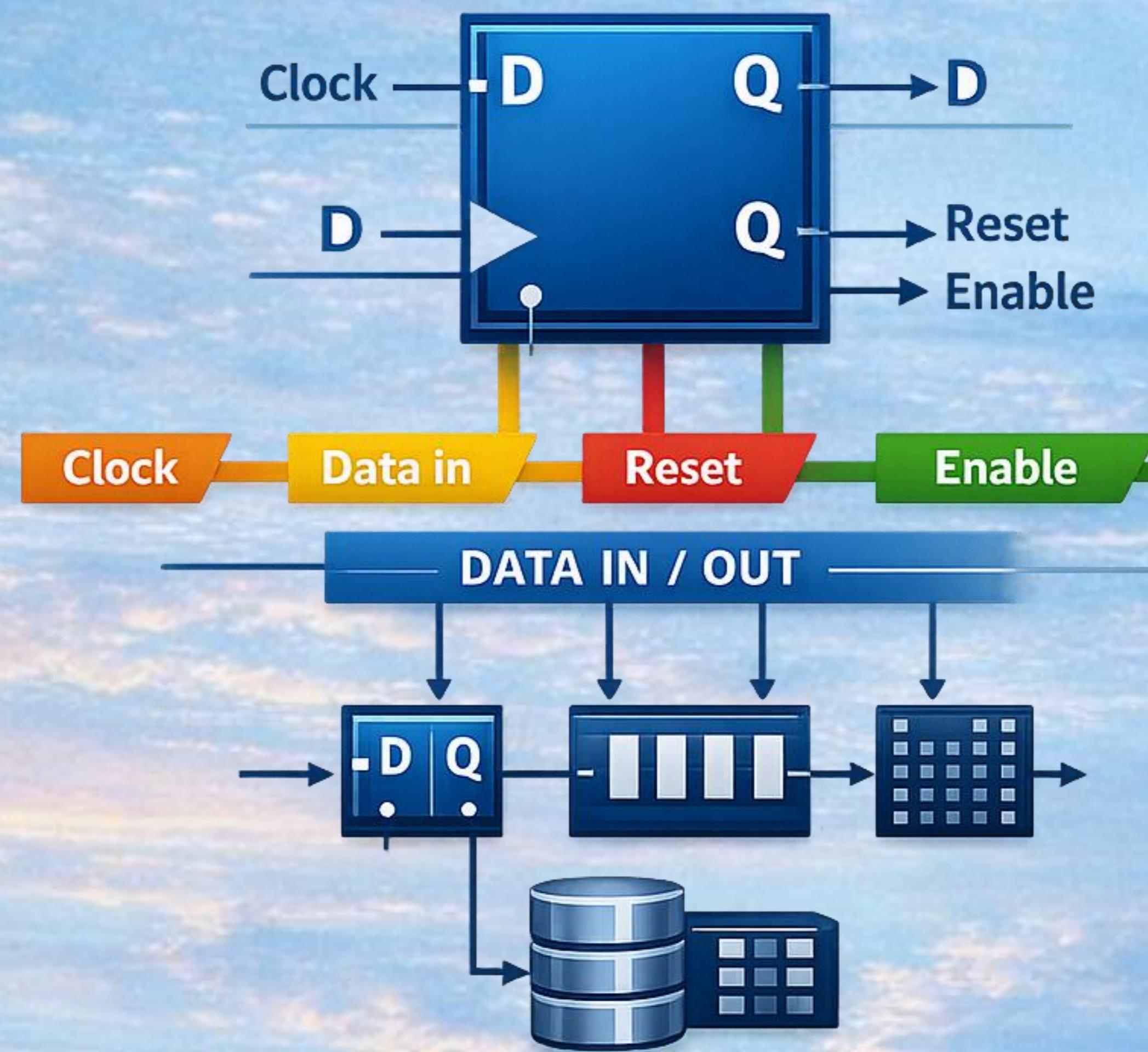
## SUMMARY

- Registers are key components in digital systems enabling fast and deterministic data processing.
- This study examines their role in smart city and IoT environments.

## INTRODUCTION

- Importance of registers in digital systems
- Need for real-time data processing in smart cities
  - Objectives: Analyze register architecture and applications.

## Register Architecture



## CONCLUSION

- Enabling real-time, reliable processing
- Essential for smart city infrastructure
- Supports scalability & energy efficiency