

# Emerging Technologies, Artificial Intelligence and Blockchain

## Overview

The Online Building Permission System (OBPS) is developed to streamline the process of obtaining building permits and approvals, ensuring transparency, speed, and efficiency in service delivery.

## Role of Artificial Intelligence (AI)

AI-powered analytics can be used by ULBs of Jammu & Kashmir to derive insights from OBPS data. These insights help identify patterns and trends in building permit applications, allowing better forecasting and more informed decision-making.

## Machine Learning (ML) for Smart Automation

Machine Learning models can automate the review process of building applications. These models can detect common errors, highlight missing information, and categorize applications to reduce the time required for manual scrutiny.

## Blockchain for Transparency & Security

Blockchain can be integrated to create a secure, tamper-proof, and transparent ledger of building permissions. Each application, approval, and modification is recorded immutably, drastically reducing the chances of corruption or unauthorized changes.

## Conclusion

By leveraging AI, ML, and Blockchain, the ULBs of Jammu & Kashmir can transform the Online Building Permission System into a modern, citizen-friendly, and highly secured digital service platform.