Smart ATM Cash Forecasting & Real-Time Refill System

Use Case Diagram Text description

1. USE CASE DIAGRAM – TEXT DESCRIPTION

Project Name: Smart ATM Cash Forecasting & Real-Time Refill System

Actors:

1. Operations Manager

2. Cash Van Team

3. System Administrator

4. Forecasting Engine

5. Notification System

6. Route Optimization Engine

Use Cases:

1. Monitor ATM Cash Level

2. Predict Daily Cash Usage

3. Predict Hourly Usage

4. Generate Low-Cash Alerts

5. Generate Warning Alerts

6. Calculate Denomination Mix

7. Generate Priority Score

8. Generate Refill Route

9. Re-Optimize Route

10. View Dashboard

11. Download Reports

12. Manage Users/Roles

Use Case Relationships (Examples):

- Operations Manager → Monitor ATM Cash Level

- Forecasting Engine → Predict Usage

- Notification System → Send Alerts

- Route Engine → Generate Route

- Cash Van Team → Follow Assigned Route

- Admin → Manage Users