**Indira College Of Engineering and**

**Management, Pune**

**Department of MCA**

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MODULE 1: Introduction to Business Intelligence and Power BI

Task 6. Banking Fraud Detection System. Develop a BI solution for fraud detection using Power BI Service, aggregating real-time transaction data and identifying suspicious patterns

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TransactionID** | **AccountNumber** | **TransactionDate** | **Amount** | **Location** | **TransactionType** | **DeviceUsed** | **Flag** | **Notes** |
| T001 | 123456 | 2025-03-01 | 15000 | New York | Online | Mobile | 0 | Normal Transaction |
| T002 | 789012 | 2025-03-01 | 500000 | London | ATM | Card | 1 | Large ATM Withdrawal |
| T003 | 345678 | 2025-03-02 | 200 | Paris | Online | Desktop | 0 | Low Amount |
| T004 | 123456 | 2025-03-02 | 800000 | Dubai | Online | Mobile | 1 | Unusual Online Transaction |
| T005 | 123456 | 2025-03-03 | 15000 | New York | Online | Mobile | 0 | Repeat Transaction |
| T006 | 111222 | 2025-03-03 | 900000 | Bangkok | Online | Mobile | 1 | Suspicious Location |
| T007 | 222333 | 2025-03-04 | 500 | Mumbai | ATM | Card | 0 | Normal ATM Withdrawal |
| T008 | 444555 | 2025-03-04 | 12000 | Tokyo | Online | Desktop | 0 | Normal Online |
| T009 | 666777 | 2025-03-05 | 1000000 | Sydney | In-Branch | In-Branch | 1 | Large In-Branch Transaction |
| T010 | 888999 | 2025-03-05 | 250 | Berlin | Online | Mobile | 0 | Low Amount |
| T011 | 123456 | 2025-03-06 | 10000 | Toronto | ATM | Card | 0 | Normal ATM Withdrawal |
| T012 | 999888 | 2025-03-06 | 600000 | Singapore | Online | Mobile | 1 | High Online Purchase |
| T013 | 555444 | 2025-03-07 | 400 | Los Angeles | Online | Desktop | 0 | Small Online Transaction |
| T014 | 333222 | 2025-03-07 | 750000 | Frankfurt | Online | Mobile | 1 | High Online Transaction |
| T015 | 111000 | 2025-03-08 | 20000 | Hong Kong | In-Branch | In-Branch | 0 | In-Branch Deposit |
| T016 | 444555 | 2025-03-08 | 950000 | Seoul | Online | Mobile | 1 | Online Fraudulent Transaction |
| T017 | 222333 | 2025-03-09 | 300 | Rome | ATM | Card | 0 | ATM Normal Withdrawal |
| T018 | 666777 | 2025-03-09 | 150000 | Melbourne | Online | Desktop | 1 | Suspicious Online Transfer |
| T019 | 999888 | 2025-03-10 | 850000 | Mexico City | Online | Mobile | 1 | Unusual Location |
| T020 | 123456 | 2025-03-10 | 5000 | Jakarta | Online | Mobile | 0 | Routine Online Transaction |

