

# Project Briefs & Expectations

## Trading Automation (MT5 Signal-Based System)

### Objective:

Design and stimulate a rule-based trading model with automated signal execution.

### Scope & Deliverables (8-10 weeks):

- **Week 1 - 2:**
  - Study trading signals (MA crossovers, RSI, momentum).
  - Setup MT5 / cTrader demo environment.
- **Week 3 - 5:**
  - Implement Python API integration / MQL5 for trade execution.
  - Backtest sample signals on demo.
- **Week 6 - 7:**
  - Add risk management (stop-loss, position sizing)
  - Build error-handling & logging.
- **Week 8 - 10:**
  - Document system design.
  - Final presentation of working demo.

### Expectations:

- Weekly/biweekly updates (progress, blockers, insights) with code + test results.
- Proper documentation of assumptions & logic.
- Deliver both technical (code) and executive-friendly outputs (slides).

Project emphasizes:

- **Self-driven research** (you will be guided but expected to take initiative)
- **Code quality & documentation** (future reuse is important)
- **Collaboration** (ask questions early, sync regularly)