

# Module 12: Reinforcement Learning

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## Case Study

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## Case Study

Domain – Logistics

focus – Optimal path

### Business challenge/requirement

BluEx is a leading logistics company in India. It's known for efficient delivery of packets to customers. However BluEx is facing a challenge where its van drivers are taking a suboptimal path for delivery. This is causing delays and higher fuel cost.

You as ML expert have to create a ML model using Reinforcement Learning so that efficient path is found through the program.

### Key issues

Data has lots of attributes and classification could be tricky

### Considerations

Reinforcement Learning is tricky, so the expectation is to come up with sample flow and full-fledged implementation will be done by team later

### Data volume

- None. Sample data is hard coded in the program

### Additional information

- NA

### Business benefits

Up to 15% fuel cost can be saved by taking optimal path