GROUND STAFF & SECURITY ROSTERING OF AIRLINES

An Optimization model is developed to find the minimum number of ground staff required at an airport base for security and customer services (checkin, boarding, etc.)

A model is developed to cater to different roles of personnel and their inter-operability within roles and locations at the base during shifts

The tools can help in identifying minimum manpower required at the base as per the role and the schedule of arrivals and departures of flights of the airline

Duty rules such as days-off, employee transport and company guidelines are considered in the model