Future Ready

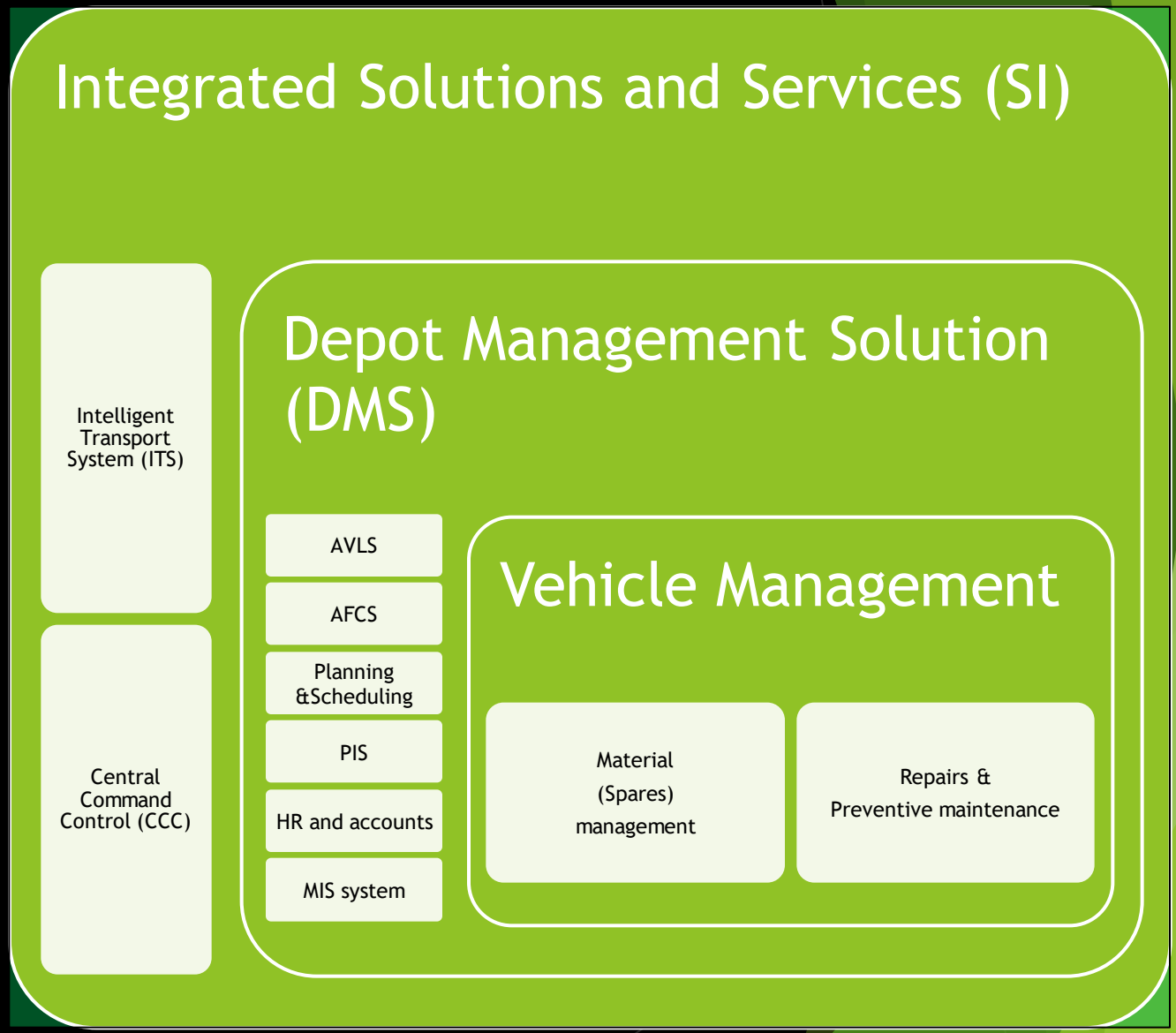
ITS

For Public Transport Organisation

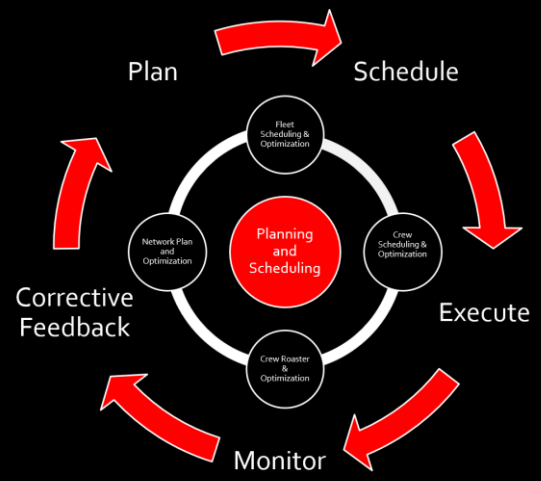
Components ITS

- Depot Management System (DMS)
- Automatic Vehicle Locating System (AVLS)
- Passenger Information System (PIS)
- Automatic Fare Collections System (AFCS)
- Central Command Control Center
- Integrated Depot Management System (IDMS)

Integrated Public Transport solutions



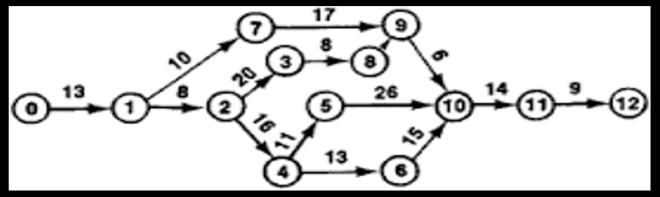
Depot Management Software Overview



Planning and Scheduling

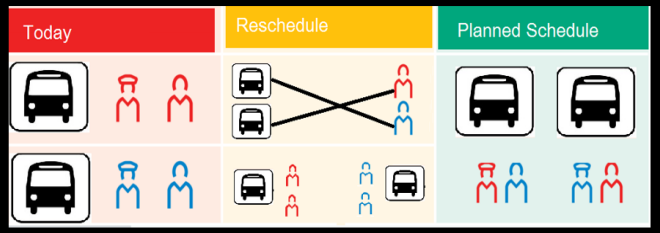
Network Plan

- Route Identification
- Route Map



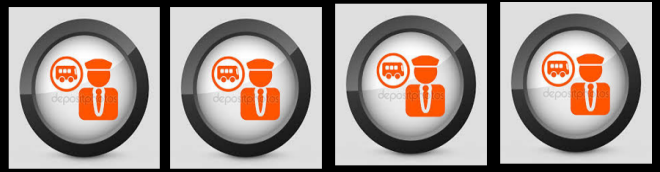
Scheduling

- Fleet
- Crew



Duty Allocation

- Fleet allotment
- Crew posting



Desired Features

- Optimization of Fleet, Crew & Route
- Online view of the Route (km) fulfilment / Cancelled Km
- Route performance based on Revenue / Run Km
- Ride delays , cancellations with reasons
- Route optimization
- Crew utilization index
- Fleet idle time reasons – Traffic, Resources unavailability , Breakdowns, accidents
- Fleet age , breakdown history , accidents
- Crew Utilization performance index
- Crew Efficiency in terms of Service hours, idle time, Overtimes, leaves
- Per Vehicle resources utilized, revenue earned, Fuel consumed, breakdown and maintenance records
- MIS graphical Reports
- Dashboards
- Listing and reports
- Alerts and communication

Special Features

Special Features

- Optimum Employee Utilization:
  - Temporary
  - Daily wagers
  - Permanent staffers to save the cost by assigning the duties to permanent employees first

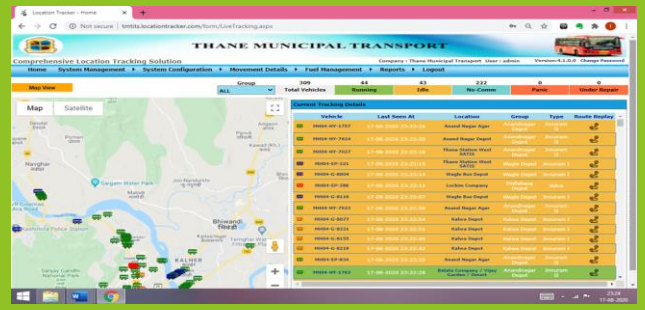
- Route Analysis
  - Route /Duty / Driver
  - Heavy ridership routes performance on overall collection and impact of cancelled duties / schedules on collections.

- Optimum Fleet utilization
  - Buses turn out Vs planned
  - Duties cancelled for unavailability of staff
  - No dispatches due to Bus unavailability

Integration of all systems

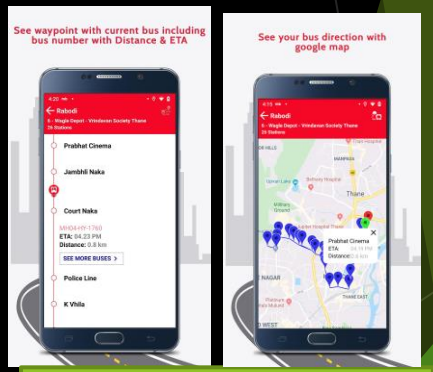
Information from Real time Vehicle and crew allocations

Depot Management System



Command Control Center Application

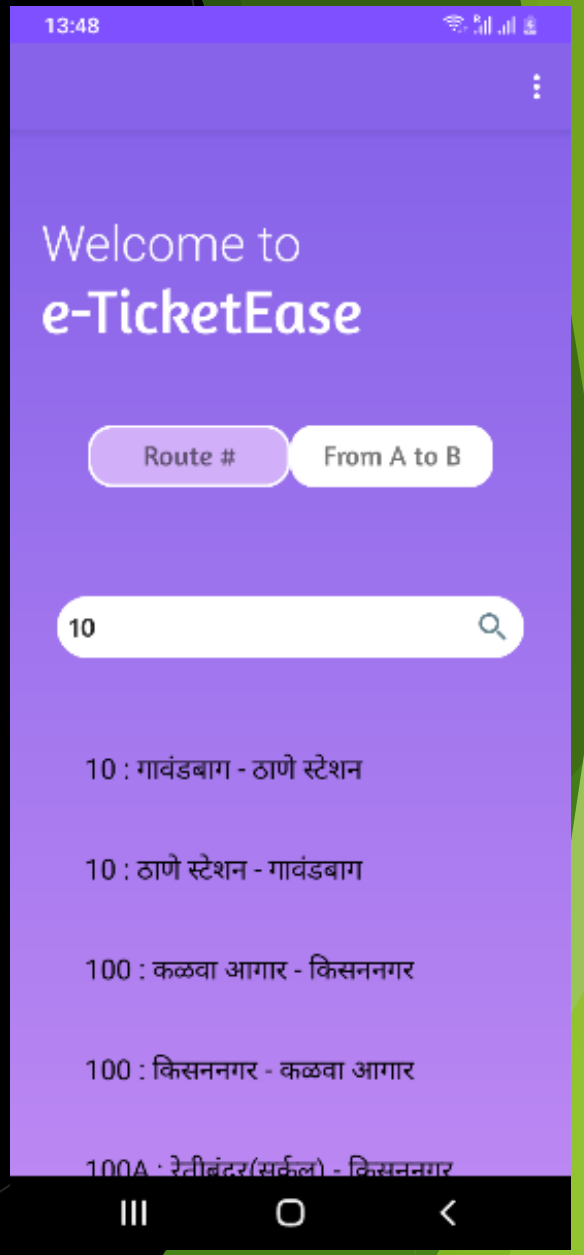
Bus Stop Display with ETA



Mobile App for the commuters

Mobile Ticketing App for Commuters

- Commuters can Directly book tickets through the App
- Payment can take place to Credit /Debit card or net Banking
- Digital tickets would be issued after successful payments
- Monthly passes also can be issued
- Tickets verification can be achieved through QR Code and validity time can be assigned.



Deployment

Cloud App Delivery
content repository
API
adminstration interface
Cloud Management
API
Disaster Recovery
End User